

# Qlik NPrinting® September 2019 Technical Preview

Release notes

## TABLE OF CONTENTS

---

What's new in Qlik NPrinting September 2019 Technical Preview	2
Improvements	3
Bug fixes	4
Upgrade notes	6
Known issues and limitations	8

# What's new in Qlik NPrinting September 2019 Technical Preview

---

## Filters support Select Excluded

Qlik NPrinting filters can now use the Select Excluded feature. When you enable it the filter will keep all the non-selected values in the field. This new feature fills a gap with QlikView NPrinting 16.

## Qlik Sense sheets can be added as images

Qlik Sense sheets can be added in the Images node of Qlik NPrinting report templates.

This feature requires Qlik Sense February 2019 or newer and connection caches must be refreshed after Qlik NPrinting upgrade.

## Objects in Qlik Sense containers are supported

Objects in Qlik Sense containers are supported. All the objects in a container are inserted in the related connection cache and can be added in the template nodes that support them.

### This document covers the following releases:

Qlik NPrinting September 2019 Technical

Release: September 2019

# Improvements

---

## Cascade delete performance improved

Jira issue ID: OP-8449

Cascade delete performance is improved. Import tasks, delete from UI, and APIs are now faster.

## Users time zone and locale persist after an import user task

Jira issue ID: OP-8639

When importing users from LDAP, locale and time zone values are not available. Users imported this way will default to English and UTC. You can set different locale and time zone values by importing users from an Excel file, or changing them manually. Importing the same users again via LDAP will not overwrite locale and time zone values.

## Improved CEF rendering error messages in log files

Jira issue ID: OP-7881

Log messages related to CEF rendering in `nprinting_engine.log` were unclear, which made it hard to understand the error. Now all CEF rendering errors on the task executions page have a univocal error code that is explained in detail in the `nprinting_engine_cef.log` file.

## Bug fixes

---

### **Qlik Sense logs flooded with the error: *Proxy Authenticate request (ReceiveRequestAsync) failed***

Jira issue ID: OP-7457

Qlik Sense Proxy logs (usually in the server folder C:\ProgramData\Qlik\Sense\Log\Proxy\System) were flooded with error messages: "Proxy Authenticate request (ReceiveRequestAsync) failed". This Qlik NPrinting version fixes certain authentication problems. Qlik Sense logs are not flooded anymore.

### **Qlik Sense sessions were consumed due to the reload of Qlik NPrinting tasks**

Jira issue ID: OP-7875

Qlik Sense sessions were consumed when reloading the Qlik NPrinting tasks with a user that had a token allocated on the QMC. The number of sessions consumed by the user was increased on the Qlik Sense logs. This version of Qlik NPrinting introduces a centralized auth manager that optimizes auth usages, so Qlik NPrinting uses as few tokens as possible.

### **Changing the Qlik NPrinting Windows services user stopped the services**

Jira issue ID: OP-8265

When the Microsoft Windows user used in the Qlik NPrinting Windows services was changed, the Qlik NPrinting Messaging service certificates were not recreated. The Qlik NPrinting Webengine, Engine, and Scheduler Windows services started, but stopped after about 20 seconds.

### **Dates were rendered incorrectly in PixelPerfect Gant charts**

Jira issue ID: OP-8523

Dates from Qlik Sense connections were rendered incorrectly in the X axis of PixelPerfect native Gant charts.

### **Metadata reloads showed an error message but ended successfully**

Jira issue ID: OP-8260

Metadata reloads would end successfully, but show the validation error: "*The specify identity can open the document' for un-browsable QV app through QVP*".

### **PixelPerfect reports cannot be edited**

Jira issue ID: OP-8573

Inserting a point character "." in the name of a cell entity in a PixelPerfect template raised an exception.

### **"Show the Values row" worked incorrectly in templates with Pages**

Jira issue ID: OP-8587

Enabling the "Show the Values row" property in an Excel template pivot table with Pages resulted in values being lost in the pivot table headers in the second and following sheets.

## Header removed from On-Demand proxied responses

Jira issue ID: OP-8707

Qlik NPrinting On-Demand Add-on would display the message: "No connection with Qlik NPrinting server" even if the Create a Report button was correctly shown. We removed the "transfer-encoding" header from proxied responses.

## Run verification has a new check point

Jira issue ID: OP-8716

If there was a reverse proxy or Qlik Sense ports were changed, the Qlik NPrinting connection would work fine and Run Verification did not show an error. But creating a Qlik Sense report generated a CEF rendering error.

The new "Qlik NPrinting webrenderer can reach Qlik Sense hub" control in Run verification verifies that the Qlik Sense hub is reachable by the Qlik NPrinting renderer.

## Email notifications disabled for import user task runned in test mode

Jira issue ID: OP-8659

Task notification emails were disabled for import user tasks when run in test mode.

## Qlik NewsStand Getting Started button was linked to a wrong URL

Jira issue ID: OP-8601

Clicking the "Getting started" button in Qlik NewsStand opened the wrong webpage. Starting from this version, it links to the Qlik NewsStand overview page on the official help site.

## Conditions with a *variable* compare to a *constant* were evaluated incorrectly

Jira issue ID: OP-8717

This bug affected conditions of the type *variable* compare to a *constant*. The constant was always evaluated as text, so comparison operators (like <, >, <=, >= etc.) gave unexpected results and reports were delivered or failed in an unpredictable way.

The bug affected conditions on both QlikView and Qlik Sense.

Following type of conditions were not affected and worked properly:

- *Variable* compared to *variable*
- *Variable* compared to *expression*
- *Chart* has or not *values*

# Upgrade notes

---

To upgrade to Qlik NPrinting September 2019 Technical, you must start from one of the following versions:

- June 2019 (19.19.4)
- June 2019 Technical Preview (19.19.0)
- April 2019 (19.9.5)
- April 2019 Technical Preview (19.9.0)
- February 2019 SR1 (19.0.4)
- February 2019 (19.0.3)
- February 2019 Technical Preview (19.0.0)
- November 2018 (18.39.6.0)
- November 2018 Technical Preview (18.39.0.0)
- September 2018 SR2 (18.29.9.0)
- September 2018 SR1 (18.29.8.0)
- September 2018 (18.29.7.0)
- June 2018 (18.19.6)
- June 2018 TP (18.19.0)
- April 2018 (18.9.5)
- April 2018 TP
- February 2018 SR1 (18.0.4)
- February 2018 (18.0.3)
- February 2018 TP (18.0.0)
- November 2017 (17.6.0)
- November 2017 TP (17.5.0001.0)
- September 2017 (17.5.0)
- September 2017 TP (17.4.0001.0)
- June 2017 (17.4.0)
- 17.3.1
- 17.3.0

If you have installed an older version of Qlik NPrinting, you must upgrade to Qlik NPrinting 17.3 before you can upgrade to Qlik NPrinting September 2019 Technical.

You must back up your data before you proceed. Data can become damaged if a problem occurs during the upgrade. If data is damaged, a backup is required to restore the repository. See: [Backup and restore of a repository](#).

After backup, you must follow the instructions for upgrading on the help site page [Qlik NPrinting upgrade](#).

If you are upgrading from a version older than February 2018, due to a breaking change in the format of the metadata cache, all metadata caches (QlikView and Qlik Sense) will be marked as "not generated". Before being able to edit a template designed with one of these connections or create new ones, all connection caches must be regenerated.

## Upgrade to November 2018 or newer

If you are upgrading to September 2019 Technical from September 2018 SR2 included or older version you must:

- Open port 4997 outbound on Qlik NPrinting Server and inbound on all Qlik NPrinting Engines
- Reinstall all your Qlik NPrinting Engines and providing a password for certificate exchange
- Open the Engine manager in the Web Console
- Open the detail page for each Engine and send the certificate after inserting the same password you used during the engines reinstallation

Qlik NPrinting Engines stay offline until the certificate exchange is performed. Older Engine versions cannot connect to a Qlik NPrinting September 2019 Technical Server.

## Known issues and limitations

---

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

### Supported languages

The following languages are supported:

- English
- French
- German
- Spanish
- Brazilian Portuguese
- Japanese
- Italian
- Simplified Chinese

Other languages are not officially supported. There may be issues with other languages, particularly those with right-to-left script and non-Roman alphabets.

### Qlik Sense custom size sheets

Qlik Sense custom size sheets are not supported. Custom size will not be maintained on export.

### Alternate states

QlikView and Qlik Sense alternate states are not supported.

### "Always One Selected Value" does not work correctly with QlikView Server 11.20 SR15

Jira issue ID: OP-4663

Opening a QlikView document with at least one field with "Always One Selected Value=true" from QlikView Server version 11.20 SR15 causes incorrect results. You will see different values compared to opening the same document using a local connection.

The workarounds, in order of preference, are:

- Use a newer version of QlikView server.
- Remove the "Always One Selected Value=true" option.
- Connect the document locally.

### Qlik NPrinting must be installed only on C: drives

Jira issue ID: OP-6196

Qlik NPrinting Server, Engine, and Designer can only be installed on C: drives. Any attempt to install them on a different drive will result in task failures.

## Re-installation of an existing Qlik NPrinting Engines

Jira issue ID: OP-8043

If you uninstall and then reinstall an existing Qlik NPrinting Engine, you must re-activate it:

1. Open the Engine manager in the Web Console.
2. Delete the reinstalled Engine.
3. Add the Engine again.
4. Remember to insert the password to send the certificate.
5. Be sure that the status becomes Online again.

## Image size settings are not respected when adding the same object twice

Jira issue ID: OP-5831

When you add the same object twice, using the Images node in Qlik NPrinting Designer, only the image size property of the first image is respected.

## QlikView On-Demand reports with data from mounted folders

Jira issue ID: QVII-1336

When creating QlikView On-Demand reports based on connections that use mounted folders, not all selections are taken into consideration. Errors occur when a document name that is preceded by a mount name is sent in through automation to create a Document Chain Bookmark. This limitation applies to QlikView 11.20 SR15 and earlier.

## QlikView On-Demand reports cannot be connected to Qlik Sense

It is possible to select the “Enable” check box in On-Demand for reports using Qlik Sense app data. These reports are visible in the QlikView On-Demand menu of the QlikView On-Demand add-on. But if selected, they will not generate reports, and you will see an error message.

## Qlik NPrinting Designer crashes sometimes with zoomed screen settings

If you experience random crashes when using Qlik NPrinting Designer, open your Windows Display Settings in the Control Panel and verify that Smaller – 100% (default) is selected. When settings of 125% or 150% are selected, Qlik NPrinting Designer may crash.

## On-Demand works in Chrome and Firefox, but not in Internet Explorer (11 or older) or Edge

Jira issue ID: OP-5908

In some cases, when you use Qlik NPrinting On-Demand in Internet Explorer 11 or Edge, the “origin” HTTP header is not generated. This results in the error message “REVEL\_CSRF: tokens mismatch”.

The workaround is to install Qlik NPrinting On-Demand on a Microsoft IIS server hosting QlikView Access point or use a different web browser.

## On-Demand objects do not appear in Access Point

Jira issue ID: OP-4655

After upgrading to QlikView 11.20 SR15 or SR16, you must add the missing MIME types to make the On-Demand add-on work.

To add the two new mime types in the QMC:

1. In the QMC, open the System tab.
2. Click Setup.
3. Expand the QlikView Web Server node.
4. Click on QVWS@YourServer.
5. Click the Web tab.
6. In the Mime Types section, the click the green + button in the upper right corner.
7. Add the following rows to the Content column:

.JSON in the Extension column and `application/json`

.TTF in the Extension column and `application/x-font-truetype`

This problem does not occur with new installations of QlikView 11.20 SR15 or SR16.

## Upgrading from 17.0.2 to 17.1.0 with a QVP connection

Jira issue ID: OP-3441

Upgrading from 17.0.2 to 17.1.0 with a QVP connection will fail with an Unhandled Exception:

*System.InvalidOperationException: Could not upgrade database to version 17.1.2.0. --->*

*System.ArgumentException: Invalid connection string parameter DocumentPath: a.qvw.*

To upgrade from 17.0.2 to 17.1.1 with a QVP connection, you must do the following:

1. Change all the QVP connections to local connections.
2. Upgrade to 17.1.0.
3. Re-connect to QVP Connections.

## Too many users and filters leads to Qlik NPrinting Designer errors

Jira issue ID: OP-4940

Qlik NPrinting Designer may be unable to open a report template if there are too many filters associated with a connection in the report's app. The following error message displays: "A task was canceled".

This typically happens when more than 4000 filters are using fields from a connection. Sometimes, higher numbers can work. For example, 7000 filters have worked in some situations.

The workaround is:

1. Split the Qlik NPrinting app into separate apps.
2. Split the connections (possibly by using multiple connections to the same documents in different apps).
3. Split the filters across apps (so that the filter count per app is lower).

## Task fails with the error 'Exceeded maximum number of retries'

Jira issue ID: OP-4839

Some Qlik NPrinting tasks fail with the error message: "Exceeded maximum number of retries". This is due to a performance issue in QlikView that appears when it exports large unfiltered files to Excel.

## Verify connection freezes during “Initializing...” status

Jira issue ID: OP-5278

In some rare circumstances, pressing the Verify connection button will cause the screen to freeze on the “Initializing...” status and the spinning wheel cursor. This happens when a Qlik NPrinting Engine goes offline and Verify connection is pressed before the Qlik NPrinting Scheduler is aware that it is offline. It can take up to 20 seconds before the Qlik NPrinting Scheduler determines the offline status of a Qlik NPrinting Engine.

## User filters are excluded from matching and object filters

Jira issue ID: OP-5914

When you:

- Open Qlik NPrinting Designer
- Import a report

The filters associated with each user are not uploaded, or displayed, for performance reasons. Waiting for all filters for thousands of users to import would take a long time. In most cases, importing this information is unnecessary, because filters created for users often contain something like the user IDs.

You can change this behavior and make all filters visible by uncommenting the line `<!--<add key="include-user-filters" />-->` in the *webengine.config* file.

To make a specific filter visible in the lists, remove its association to all users, or create a new filter with the same fields and values not linked to any user.

## Keep Source Format option does not keep Excel merged cells

Jira issue ID: OP-5545

Excel merged cells are not supported for Qlik NPrinting tags regardless of Keep Source Format option.

## Cancelling an upgrade results in a corrupted environment

Jira issue ID: OP-3986

The rollback that follows a Qlik NPrinting Server or Engine upgrade cancellation may corrupt the related Qlik NPrinting installation. A rollback is triggered by errors or by clicking the cancel button during the upgrade execution. After a corruption caused by a rollback, services may be uninstalled or cannot be started.

To restore a Qlik NPrinting Server to its original status:

- Retrieve a recent backup
- Uninstall Qlik NPrinting Server
- Perform a clean installation of the same Qlik NPrinting Server of the backup
- Restore the backup

You should always create a backup before starting an update. In any case, a backup is automatically created in the folder `“%ProgramData%\NPrinting”` at the beginning of the upgrade process.

To restore a Qlik NPrinting Engine to original status:

- Uninstall Qlik NPrinting Engine
- Perform a clean installation of Qlik NPrinting Engine

## **Adding a title to a Sense object with Assistance on generates an error on preview or task**

Jira issue ID: OP-7560

Add title functionality is not supported on Qlik Sense objects with Assistance mode enabled. The workaround to restore the Add title functionality is to disable Assistance mode for the chart in Qlik Sense. Then reload the metadata of the connection.

## **Cannot export tables, columns, and cells from Qlik Sense objects made using chart suggestions**

Jira issue ID: OP-7568

Qlik Sense objects made in Assistance mode cannot be used as tables, columns, or cells in Qlik NPrinting. To restore them, disable Assistance mode on the chart in Qlik Sense; then reload the metadata of the connection. Furthermore, if a Qlik Sense object made with Assistance mode is exported as a table, column, or cell using Qlik NPrinting APIs, the request will fail.

## **Open Type Fonts (\*.otf) are not supported**

Jira issue ID: OP-7165

Open Type Fonts (\*.otf) are not supported in PixelPerfect templates. Generated reports will use a different font, and not look as expected.

## **Qlik Sense tables with conditionally shown columns have limited functionality**

Jira issue ID: OP-7747

The following functionalities are not supported for Qlik Sense tables that have a "Show column if" condition set on one or more of their columns: levels, single column export, and keep source formats.

## **Images were rendered with the title caption**

Jira issue ID: OP-7953

This bug is solved starting from Qlik NPrinting November 2018, but if you use QlikView 12.20 SR7, and only with this specific service release, it is still present.

When you add a QlikView chart as an image in a template it will still be exported with the border and the title caption.

## **QlikView tables with more than 256 columns cannot be imported**

Jira issue ID: OP-8570

QlikView tables with more than 256 columns cannot be imported into Qlik NPrinting report templates. All Qlik NPrinting versions are affected by this limitation, 16 series included.

## **Qlik Sense On-Demand reports with selections on calculated dimensions fails**

Jira issue ID: OP-8382

Qlik Sense On-Demand reports with selections applied on calculated dimensions will fail. However, you can apply selections on dimensions based on Qlik Sense fields. The workaround is to move the formula to the load script and use the calculated fields to apply selections to your On-Demand reports.



## About Qlik

Qlik is on a mission to create a data-literate world, where everyone can use data to solve their most challenging problems. Only Qlik's end-to-end data management and analytics platform brings together all of an organization's data from any source, enabling people at any skill level to use their curiosity to uncover new insights. Companies use Qlik to see more deeply into customer behavior, reinvent business processes, discover new revenue streams, and balance risk and reward. Qlik does business in more than 100 countries and serves over 48,000 customers around the world.

[qlik.com](https://www.qlik.com)

© 2019 QlikTech International AB. All rights reserved. Qlik®, Qlik Sense®, QlikView®, QlikTech®, Qlik Cloud®, Qlik DataMarket®, Qlik Analytics Platform®, Qlik NPrinting®, Qlik Connectors®, Qlik GeoAnalytics®, Qlik Core®, Associative Difference®, Lead with Data™, Qlik Data Catalyst™, Qlik Associative Big Data Index™ and the QlikTech logos are trademarks of QlikTech International AB that have been registered in one or more countries. Other marks and logos mentioned herein are trademarks or registered trademarks of their respective owners. BIGDATAWP092618\_MD