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Qlik NPrinting® May 2021

Release notes

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What's new in Qlik NPrinting May 2021

New public APIs for Qlik NPrinting apps

The set of public APIs is extended to include Qlik NPrinting apps.

New APIs can:

- Generate the list of all available apps
- Create new apps
- Get app details
- Update existing apps

New public APIs for Qlik NPrinting connections

The set of public APIs is extended to include Qlik NPrinting connections. New APIs can:

- Get a list of all available connections
- Create new connections
- Get detailed information about a connection
- Update connection details
- Reload connection metadata
- Abort metadata reloads

QlikView 12.50 SR4 is supported

Qlik NPrinting supports QlikView 12.50 SR4.

QlikView 12.60 is supported

Qlik NPrinting supports QlikView 12.60.

**This document covers
the following releases:**

Qlik NPrinting May 2021

Release: May 25th, 2021

Improvements

Cycles produce compressed ZIP files

Jira issue ID: OP-9866

Zip files produced by report templates with cycles are now compressed if the source file is not already a compressed type. For example: XLSX, DOCX, PPTX, JPG, and PNG are themselves compressed file types. They will not be compressed further.

CSV, SKV, and BMP are not natively compressed file types. They will be zipped by Qlik NPrinting if they are in the output of a cycled report.

Time zones are updated to IANA TZDB 2021a

Jira issue ID: OP-9853

Qlik NPrinting's time zone database has been updated to IANA TZDB 2021a.

Resolved Issues

Images from QlikEntity reports of Qlik Sense objects were always exported in PNG

Jira issue ID: OP-9855

QlikEntity reports created from Qlik Sense connections were always exported in PNG format, even if a different image format was selected.

Print area selected by columns

Jira issue ID: OP-9859

An error occurred when the print area was set by selecting the columns. The area would reach the maximum number of rows of the sheet.

Wrong date format in pivot tables in PDF reports

Jira issue ID: OP-9710

Dates in Excel report pivot tables were displayed as numbers when exported in PDF, instead of the chosen format.

Argument exception during the Excel report creation

Jira issue ID: OP-9765

Excel report generation could fail with the message: "ERROR: System.ArgumentException: Item has already been added. Key in dictionary: '1'".

PowerPoint reports could fail

Jira issue ID: OP-9822

PowerPoint reports, in preview and in publish tasks, could fail with the error message: "The preview failed with message: Consistency of value registry is broken".

On-Demand listed duplicated reports

Jira issue ID: OP-9827

When having duplicates of a QlikView document on a server the On-Demand Add-on listed the same report as many times as the number of the copies of the QVW.

Conditional formatting was not propagated with "Show above tag cell"

Jira issue ID: OP-9831

Excel templates with:

- "Show Headers" flag set to "Show tag cell above".
- The conditional formatting set on a table tag.

Would not propagate conditional formatting properly in generated reports.

Text length limit of 256 characters while pasting emails was removed

Jira issue ID: OP-9811

The 256 characters limit when copying and pasting a list of comma separated emails on Cc and Bcc fields was removed.

PDF report creation from PixelPerfect templates could rise an exception

Jira issue ID: OP-9885

The generation of PDF reports from PixelPerfect templates could fail with the error: "Exception has been thrown by the target of an invocation".

Potential memory leak on Qlik NPrinting Engines with Qlik Sense connections

Jira issue ID: OP-9884

A Qlik NPrinting Engine could have a memory leak that could cause stability issues when using Qlik Sense connections.

Report generation ended with errors when print area spawns on full columns

Jira issue ID: OP-9882

Index was outside the bounds of the array when print area spawns on full columns.

When a report template had a print area that included full columns, for example an A:A selection, the following error could occur: "Index was outside the bounds of the array". This was because the print area range was expanded more than all available rows.

Incorrect offset for Excel formulas inside Levels when <Deleterow> was used

Jira issue ID: OP-9901

Excel formulas linked to level fields were offset incorrectly if the <Deleterow> tag was added.

Logging of Sensitive Data

Jira issue ID: OP-9908

In certain situations, there was a possibility that the full connection credentials were being logged on the server when specifying a QlikView server connection. This release resolves that issue.

Upgrade notes

To upgrade to Qlik NPrinting May 2021, you must start from one of the following versions:

- May 2021 Technical Preview (21.14.1)
- February 2021 (21.0.0)
- February 2021 Technical Preview (20.50.1)
- November 2020 (20.39.3)
- November 2020 Technical Preview (20.39.1)
- September 2020 (20.31.2)
- September 2020 Technical Preview (20.31.1)
- June 2020 SR1 (20.19.5)
- June 2020 (20.19.3)
- June 2020 Technical Preview (20.19.0)
- April 2020 (20.10.2)
- April 2020 Technical Preview (20.10.0)
- February 2020 SR1 (20.0.3)
- February 2020 (20.0.2)
- February 2020 Technical Preview (20.0.0)
- November 2019 SR1 (19.40.4)
- November 2019 (19.40.3)
- November 2019 TP (19.40.0)
- September 2019 (19.29.3)
- September 2019 TP (19.29.0)
- 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 Technical Preview (18.19.0)
- April 2018 (18.9.5)
- April 2018 Technical Preview
- February 2018 SR1 (18.0.4)
- February 2018 (18.0.3)
- February 2018 Technical Preview (18.0.0)
- November 2017 (17.6.0)
- November 2017 Technical Preview (17.5.0001.0)
- September 2017 (17.5.0)
- September 2017 Technical Preview (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 May 2021.

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, all metadata caches (QlikView and Qlik Sense) will be marked as "not generated". This is due to a breaking change in the format of the metadata cache. All connection caches must be regenerated before you can edit a template or create a new connection.

Upgrade to November 2018 or newer

If you are upgrading to May 2021 from September 2018 SR2 or older you must:

- Open port 4997 outbound on Qlik NPrinting Server and inbound on all Qlik NPrinting Engines.
- Reinstall all your Qlik NPrinting Engines and provide 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 engine's reinstallation.

Qlik NPrinting Engines stay offline until the certificate exchange is performed. Older Engine versions cannot connect to a Qlik NPrinting May 2021 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.

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.

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 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.

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.

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.

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.

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.

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, including QlikView NPrinting 16.

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.

Qlik Sense histograms cannot be add into the Tables node

Jira issue ID: OP-8985

Due to the internal way of exporting Qlik Sense histograms, you cannot add them to the Qlik NPrinting Designer Tables node. If you add a Qlik Sense histogram to the Tables node, you will not receive any errors or warning messages, but the exported data will be wrong.

QlikEntities limitation with Qlik Sense entities

Jira issue ID: OP-8921

QlikEntity reports support Qlik Sense objects with the following limitations:

- Containers are not supported, but you can use all the objects that are inside containers.
- Qlik Sense sheets can be added to QlikEntity reports and exported as images. The "Extend Sheet" feature does not work.
- Export in PDF and TIFF is not supported.

Limited support for merged cells used in columns and cells

Jira issue ID: OP-9315

Columns or cells inserted into merge cells do not retain the merged status and will be produced as unmerged cells in the generated reports.

Embedding Excel worksheets into PowerPoint templates is not supported

Jira issue ID: OP-9087

You cannot embed an Excel worksheet in a PowerPoint report template. This will cause a Qlik NPrinting Designer crash. The workarounds are to insert the Excel worksheet without using the Qlik NPrinting Designer:

- Create a .pptx file by using PowerPoint without involving the Qlik NPrinting Designer. Insert the Excel worksheet and save the .pptx. Then use the .pptx file as a report template.
- If you have already created the PowerPoint template, export it, open the .zip file generated by Qlik NPrinting and double-click the .pptx file inside. Insert the Excel worksheet, save the resulting PowerPoint and overwrite the existing Qlik NPrinting template by uploading the updated .zip.

Qlik Sense dynamic views limitations

Jira issue ID: OP-9067

Dynamic views is a new Qlik Sense feature starting from June 2020.

If you connect Qlik NPrinting to a Qlik Sense app that contains a chart used to generate dynamic views, the chart and the containing sheet are excluded from the Qlik NPrinting connection cache and cannot be used in reports.

You can connect Qlik NPrinting to a Qlik Sense app containing dynamic views. However, after a dynamic view refresh, the connection will stop working.

Excel print area with more than one range

Jira issue ID: OP-9766

Excel worksheet print areas can contain more than one range if the generation of the report does not expand the print area. If it expands, you will see an error: "Invalid Cell Name". For example, the default setting of the Expand Range option in a Qlik NPrinting table causes the print area to change during report production, and an error is received.



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