Qlik NPrinting® February 2020

Release notes

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What's new in Qlik NPrinting February 2020

QlikEntity reports support Qlik Sense

QlikEntity reports now support Qlik Sense entities, such as sheets or straight tables. You can export and share Qlik Sense entities directly by connecting them to a QlikEntity report, without the need to create a report template. This also lets you export Qlik Sense tables as comma separated value (CSV) files.

New licensing

Qlik NPrinting supports the signed key licensing system, the same as Qlik Sense. The old LEF-based licensing system is still supported. The Qlik NPrinting Server computer must be online to activate new signed key licenses.

NodeJS security vulnerabilities

Qlik NPrinting is not affected by NodeJS security vulnerabilities. Qlik Sense February 2020 for Windows updates NodeJS to a version without the security vulnerabilities announced by the NodeJS project. You must recreate the root CA certificate generated with versions of Qlik Sense prior to the June 2019.
If your Qlik NPrinting is connected to a Qlik Sense server, you must replace the Qlik Sense root certificate with a new one. This applies when upgrading to the following Qlik Sense versions:
- February 2020 GA release or later
- November 2019 Patch 6
- September 2019 Patch 7
- June 2019 Patch 11
- April 2019 Patch 8
- February 2019 Patch 8

This document covers the following releases:

Qlik NPrinting February 2020

Release: February 25th, 2020

Improvements

Download migrated project logs

Jira issue ID: OP-8855
The Migration Tool has a new button for downloading the log files of migrated QlikView NPrinting 16 projects.

Disable PixelPerfect scripts

Jira issue ID: OP-8959
Go to Settings->Report to disable all scripts in PixelPerfect reports. This removes access to protected resources on Qlik NPrinting Engine computers from PixelPerfect scripts.

Resolved Issues

It was not possible to save previews of Word reports

Jira issue ID: OP-8674
You could not save a preview of a Word report by clicking on the Save icon. This bug only affected Word reports, other Microsoft Office report previews (Excel and PowerPoint) worked correctly.

Formulas in GroupFooter of PixelPerfect templates returned incorrect values

Jira issue ID: OP-8718
A formula placed in the GroupFooter of a PixelPerfect report would return last computed value in the Detail band instead of the aggregated value.

Tags in PixelPerfect SubBands were not replaced correctly

Jira issue ID: OP-8905
Tags added into SubBands of PixelPerfect report templates were not replaced correctly with their values.

Triggers in Brazilian time zone were wrong by one hour

Jira issue ID: OP-8973
In 2019, Brazil switched to Daylight Saving Time (DST). As a result, Qlik NPrinting triggers set to Brazilian time zone were wrong by one hour. Starting from this release, the IANA database used by Qlik NPrinting has been upgraded from 2018g to 2019c.

Incorrect format in percentage columns of PDF reports from Excel templates

Jira issue ID: OP-8673
The format of columns with percentages in PDF reports, created from Excel templates, was incorrect.

Qlik NPrinting Repository password was in clear text in configuration files

Jira issue ID: OP-8894
Qlik NPrinting Repository (PostgreSQL) admin password was stored as clear text in configuration files. In new installations the password is stored encrypted directly. Upgrading an existing installation will result in updated configuration files with an encrypted password.

CSV files from QlikEntity reports appeared incorrectly in Excel table filters

Jira issue ID: OP-8948
CSV files generated from QlikEntity reports, opened in Excel as tables, would sometimes show duplicate values in the filters values list. This was caused by non-printable characters added before some visible values.

Qlik NPrinting Server installation failed if Erlang registry uninstall string contained quotes

Jira issue ID: OP-9044
On some computers, the Qlik NPrinting Server setup failed during the Qlik NPrinting Messaging service installation due to unexpected quote characters in the Erlang uninstallation registry key.

Metadata reload failed on some Qlik Sense connections

Jira issue ID: OP-9076
The metadata reload of Qlik Sense connections could fail while executing the ComputeTitle method. The error message was: "System.NullReferenceException: Object reference not set to an instance of an object."

Tasks based on Qlik Sense connections could fail

Jira issue ID: OP-9013
Publish tasks, On-Demand requests, report previews, and cache reloads based on Qlik Sense connections could fail with the error message: "Grpc.Core.RpcException: Status(StatusCode=Unavailable, Detail="Connect Failed")".

DotNetOpenAuth.Core.dll incorrectly quarantined by some antiviruses

Jira issue ID: OP-9025
Some antivirus software would incorrectly quarantine the library DotNetOpenAuth.Core.dll included in Qlik NPrinting installation. Qlik NPrinting February 2020 release removes the dependency from that library.

The configuration flag useAdvancedImageExport stopped working

Jira issue ID: OP-9048
The configuration flag useAdvancedImageExport in the qlikview.config file of the Qlik NPrinting Engine installation folder stopped working in Qlik NPrinting November 2019. The flag functionality has been restored.

Caches metadata were not updated on QlikView connections with authentication

Jira issue ID: OP-9079
Cache metadata was not refreshed on QlikView connections to opened documents. Changes were not visible in previews. This issue only affected local or server connections to QlikView documents with the *Username* and *Password* in the *Document authentication* section.

Upgrade notes

To upgrade to Qlik NPrinting February 2020, you must start from one of the following versions:
- February 2020 Technical Preview (20.0.0)
- November 2019 (19.40.3)
- November 2019 Technical Preview (19.40.0)
- September 2019 (19.29.3)
- September 2019 Technical Preview (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 February 2020.

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 February 2020 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 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 engine's reinstallation.

Qlik NPrinting Engines stay offline until the certificate exchange is performed. Older Engine versions cannot connect to a Qlik NPrinting February 2020 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.

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

Jira issue ID: OP-4010
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.

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.

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.

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.

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, it is not possible to add them into the Tables node of Qlik NPrinting report templates. If you add a Qlik Sense histogram into the Tables node you will not receive any error or warning message, but the exported data will be wrong.

Using the same names for variables and fields in a Qlik Sense app is not supported

Jira issue ID: OP-8952

In Qlik Sense apps, you cannot use the same names for variables and fields. The simplest workaround is to rename the any variables that have the same name as a field.

QlikEntities limitation with Qlik Sense entites

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

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