

FREQUENTLY ASKED QUESTIONS

# Qlik NPrinting® Migration Tool

November 2019

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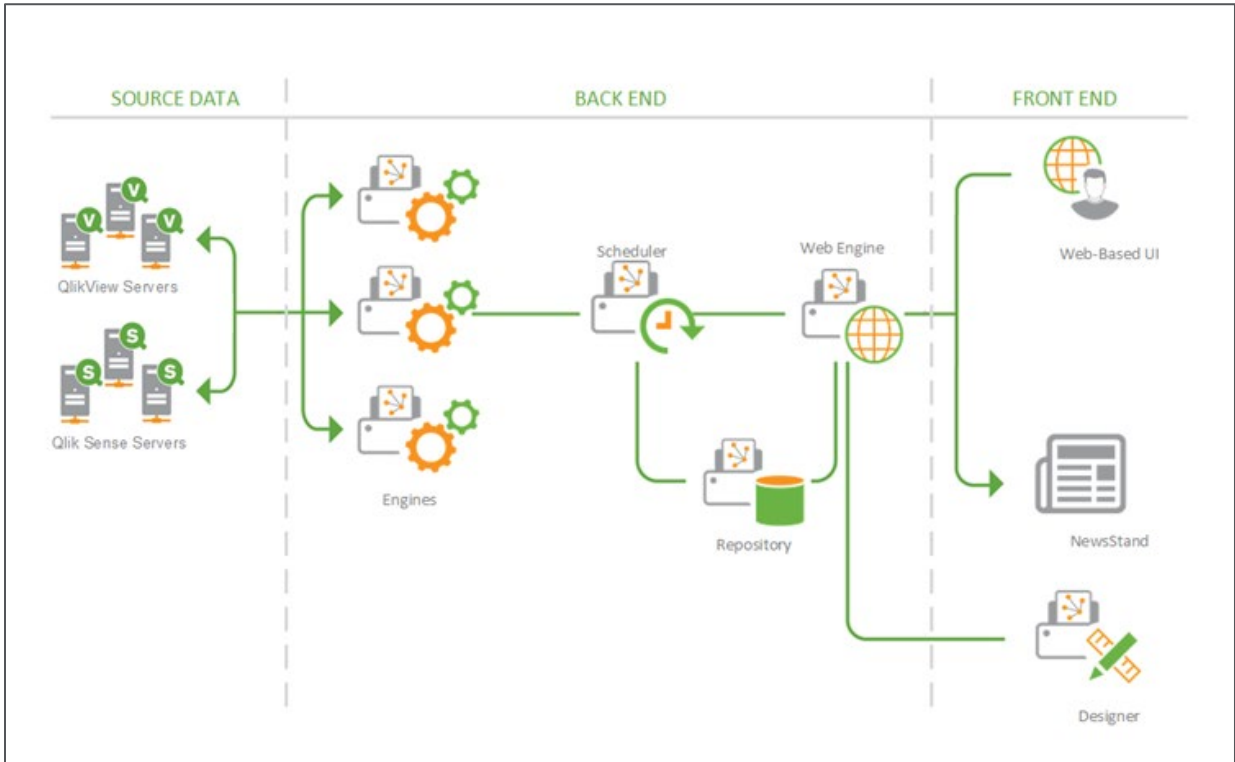
## INTENT OF DOCUMENT

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This document is intended to prepare and guide you towards successfully moving to the most current version of Qlik NPrinting from QlikView NPrinting 16. A migration tool introduced in the November 2019 release of Qlik NPrinting converts QlikView NPrinting 16 projects to new Qlik NPrinting apps. Step-by-step instructions and troubleshooting are available on the [help site](#).

# What are the architectural differences between the two versions?

Qlik NPrinting (17+) was designed to overcome the limited scalability of QlikView NPrinting 16, due to its sequential nature in processing tasks. Qlik NPrinting offers enterprise-level scalability thanks to a shift to a multi-threaded, multi-engine architecture. Now reports can be run in parallel, allowing for more efficient production of reports and requiring less hardware as would be needed in QlikView NPrinting 16. For more information on sizing and benchmarks, please review the Qlik NPrinting Scalability Whitepaper.



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## What is new in Qlik NPrinting?

- Web-based architecture
  - Administration and development are managed centrally in a new secure console that can be accessed securely from any supported browser. The designer is only needed locally on machines of report authors.
- Enterprise scalability
  - Qlik NPrinting was designed with multi-threaded, multi-engine report generation at its core. Consistent improvements in the product have made it possible to achieve enterprise-level volumes of report distribution.
- Connectivity to Qlik Sense
  - You can author reports using Qlik Sense data and visualizations from apps that are stored on Qlik Sense servers that you have permission to access
- APIs
  - You can extend your reporting system by using the Qlik NPrinting APIs. These APIs provide endpoints to perform operations on tasks, users, reports, on-demand requests and results, and so on.
- Role-based security
  - Qlik NPrinting manages user-based security. Users can perform actions based on assigned roles, so you can create roles and re-use them.
- Online subscription hub
  - Users can explore, view, download, and self-service subscribe to current and historical reports online via one secure and centralized portal, Qlik NPrinting NewsStand.
- Single Sign On
  - Authentication in Qlik NPrinting deployments is managed by the Qlik NPrinting web engine, which verifies user identities before allowing access to the Qlik NPrinting Server or NewsStand.
- Section Access
  - You can apply section access to Qlik NPrinting connections when generating reports from QlikView documents or Qlik Sense apps.
- Multi-developer environment
  - The Qlik NPrinting repository is stored in a database so that multiple developers can work on different reports simultaneously.

## What features have been ported to Qlik NPrinting?

- Centralized distribution
- Conditional reporting
- Cycled pages in multiple slides
- Cycling reports (creates files for every value of dimensions)
- Dynamic Report Naming
- HTML embedded reports
- Load template
- Localization
- Microsoft Office macros and related file formats (.xlsm)
- Microsoft Office reporting
- Multi-document reports
- Object filters
- On-demand reporting
- Pixel perfect and web reporting
- Print as PDF
- Recipient imports from Excel
- Reports with read and write password
- Task failure notifications
- Variables in email messages
- Variable filter
- Select excluded filter
- Verbose logs

# What features have not been ported to Qlik NPrinting (as of Nov '19)?

- Bookmark filter
  - Workaround: use advanced search filters (or any supported filter type) with multiple fields in Qlik NPrinting
- Clone report
  - Workaround: [export a report](#) and import it into the same environment
- FTP Support
  - Workaround: [use Qlik web connectors and load script](#)
- Linked fields
  - Workaround: create a filter with the fields across the connections. Note: this will work as a filter but cannot be used as a page, level, or cycle.
- Jobs
  - Workaround: [chain tasks with Qlik NPrinting APIs and Qlik load script](#)
- Some email tags
  - Workaround: use Qlik variables to recreate tags
- Import HTML files into email bodies
  - Workaround: copy the content of the HTML file and paste it in the email body editor. Alternatively, use the HTML file to create a new [custom report](#) and embed it in the email body.
- Dynamic CC/BCC email addresses
  - Workaround: [use APIs and Qlik REST connector to “cycle” tasks](#) and dynamically assign users to the “To” line
- Verify Filter
  - Default behavior for filters in Qlik NPrinting. [Advanced error handling](#) determines how the report behaves in the event of a filtering error
- Clear all selections
- Default behavior for connections in Qlik NPrinting
- Pretty good privacy (PGP) encryption
- Recipient import wizard
- Send to printer
- Test task

- Attach external files to email
- Reduce Task
- Reload Task
- Partial reload task
- Macro task
- Unsupported output formats (.docm, .pptm)
- Report compression

## What gets migrated?

The migration tool creates a Qlik NPrinting 19 app from a QlikView NPrinting 16 exported project file. The components of the new app will include its:

- Reports
- Connections
- Filters
- Publish Tasks
- Conditions

QlikView NPrinting 16 environment variables are replaced with their values.

Please note that even for migrated content, there should be an expectation of some manual checks and edits after the migration. For example, since in QlikView NPrinting 16, schedules were not associated to a report task, in Qlik NPrinting 19 you will need to create a trigger inside the publish task. There are also new settings, such as report image quality, that will be assigned a default value and can be manually adjusted.

The logs and messages that result from the migration will prompt the user what entity needs checking.



## How are users different between the two versions?

Recipients in QlikView NPrinting 16 are, literally, only recipients of reports. For example, a recipient can simply contain a destination folder. In Qlik NPrinting, there are users that have access to the system based on security roles.

In QlikView NPrinting 16, each NSQ (project) has its own set of recipients that can differ between other NSQs of the same installation. In Qlik NPrinting, users are shared across the entire installation, so they are common for all apps.

QlikView NPrinting 16 used an ID field as the unique identifier for users. This allowed a single email address to be associated with different filter sets and multiple NPrinting users. In Qlik NPrinting, the unique identifier is email address, meaning the prior scenario is not supported out-of-box. If it is desired to mimic this behavior of NPrinting 16, this can be accomplished via [APIs and the Qlik REST Connector](#).

The methods for importing users is also different across versions. Qlik NPrinting supports user import via LDAP, Excel, or APIs. Other methods from QlikView NPrinting 16, such as QlikView table, are no longer supported.

Because of these changes, users are not migrated as part of this process. We suggest that you import users after successfully migrating your QlikView NPrinting 16 projects. This way, you can associate users with their authorized apps all at once.

## What versions of QlikView are supported?

When migrating, it is important to understand what versions of QlikView are compatible with Qlik NPrinting 19. Depending on your versions of QlikView and QlikView NPrinting 16, it may be necessary to upgrade to a newer version of QlikView NPrinting 16 prior to migrating to Qlik NPrinting 19.

The migration tool relies on a project export functionality that was introduced in QlikView NPrinting 16.3, so any version earlier needs to be upgraded to at least that version. The applicable version(s) of QlikView NPrinting 16 is determined by the QlikView version.

QlikView version*	QlikView NPrinting version	Additional NPrinting upgrade
11.20	16.2 or older	Upgrade to 16.3 or newer
11.20	16.3 or newer	none
12.10	16.2 or older	Upgrade to 16.3 or newer
12.10	16.3 or newer	none
12.20	16.6 or older	Upgrade to 16.7 or newer
12.20	16.7 or newer	none
12.30	16.8 or older	Upgrade to 16.9 or newer
12.30	16.9 or newer	none

As a best practice, if planning on upgrading QlikView and migrating to Qlik NPrinting, it is recommended that you perform the NPrinting migration first. Upgrading QlikView prior to the NPrinting migration could introduce additional variables and make it more difficult to isolate root causes of any issues that may arrive. By keeping the QlikView version consistent through the NPrinting migration, it serves as a control against which benchmarks can be measured and compared.

## What should be backed up?

Prior to performing any migration, it is highly recommended that you back up your QlikView NPrinting 16 .nsq and templates files. If you already have an existing Qlik NPrinting 17+ deployment, back up the repository database as well.

## Are there any changes in licensing?

QlikView NPrinting 16 had server, designer, and on-demand licenses. Qlik NPrinting licensing is purely engine-based; there is no longer a designer license. Each existing QlikView NPrinting 16 server license becomes a Qlik NPrinting engine license. You can use the same LEF that you use in QlikView NPrinting 16.

## When does support for QlikView NPrinting 16 end?

As of November 2019, the scheduled end of support for QlikView NPrinting 16 is March 31, 2020.

## What can I do with the APIs?

One of the more exciting features of Qlik NPrinting is a [robust set of REST APIs](#) that have been used to improve automation, integrate with other Qlik tasks, and create novel techniques for achieving functionality not available out-of-box.

The following are examples of API-based solutions to common scenarios:

- [How to Use Qlik NPrinting APIs inside a Qlik Sense Load Script](#)
- [Send Reports with Different Filters to Users in Different Emails in a Single Publish Task](#)
- [Sync Windows AD Users from Qlik Sense to Qlik NPrinting via Qlik Script](#)
- [Distribute Qlik NPrinting Reports after Reloading a Qlik App](#)
- [Task Chaining with Qlik NPrinting with Monitoring and Timeout](#)

## Where can I go to learn more?

- Qlik Continuous Classroom and Instructor-Led Training [modules](#) for Qlik NPrinting
- [Qlik Community](#) – Our online user community with message boards, Q&As, discussions, documents and videos.
- Qlik NPrinting [YouTube playlist](#)

### Authoring Techniques:

[Conditional Inclusion of Report “Areas” using Levels](#)

[Examples of Advanced Search Filters](#)

[Qlik NPrinting Report Development Best Practices](#)

### Support Articles:

[How to Backup and Restore Qlik NPrinting Repository Database from End-to-End](#)

[Qlik NPrinting and Qlik Sense Object Support and Limitations](#)

[Qlik NPrinting: Unsupported QlikView and Qlik Sense Document Items, System Configurations and Other Limitations](#)



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