

Template for Architecture NPrinting

Qlik NPrinting Environment Installation Configuration

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qlik.com



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Introduction

This document is related to the installation activity of the Qlik Nprinting Environment infrastructure. The information in the present document refers to the release November 2018 currently distributed by QlikTech.

Related documentation

For any other information not included in the present document you are kindly invited to follow QlikSense Official Documentation.

The present document is not intended to be and installation manual.





Desired Architecture

Before Installating

Introduction

The following information details the installation of Qlik NPrinting November 2018

The developer users will have the full client install on their desktop and will lease licenses from a production server. The install and licensing are detailed below.

Pre-Installation

NPrinting Engine and Server Minimum Requirements

- Windows Server 2012 or Windows Server 2012 R2, Windows 2016
- Microsoft .Net Framework 4.7.2 or above
- 16 gigabytes of RAM for NPrinting Server
- 500 MB of disk space for NPrinting Server
- Minimum of 2 GB is required for each core with the minimum of 4GB of RAM in total for NPrinting Engine
- 300 MB of disk space for NPrinting Engine
- NPrinting Console supports Internet Explorer 10 or above, Chrome, Firefox, and Edge

NPrinting Port

See link for The Firewall port

https://help.qlik.com/en-US/nprinting/November2018/Content/NPrinting/DeployingQVNprinting/Ports.htm



NPrinting Designer Minimum Requirements

- Microsoft Windows 7, 8, 8.1, 10 operating systems (32- or 64-bit), Windows Server 2008 R2, Windows Server 2012, or Windows Server 2012 R2
- Microsoft Office is required for creating MS office templates with NPrinting Designer
- Microsoft .Net Framework 4.5.0 or above

Be Prepared

- Have NPrinting installation files downloaded
- Have NPrinting license and control number in possession
- Administrator group access to the NPrinting server.
- All userids and passwords for authenticating to servers and applications listed are in hand.
- Remote Desktop access to the NPrinting

Pre-Installation Steps

Validate all prerequisites above have been met before continuing with installation

Windows Setup



If you plan to rename the machine or workgroup, do it before installing NPrinting Server and NPrinting Engine.



Disable Windows Firewall completely (if this is not acceptable, open inbound ports 4993, 4994, 4995, 4996).



Disable Windows Internet Explorer Enhanced Security Configuration (IEESC).

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Servers preparation Before Installation

Screen-shots example for installation

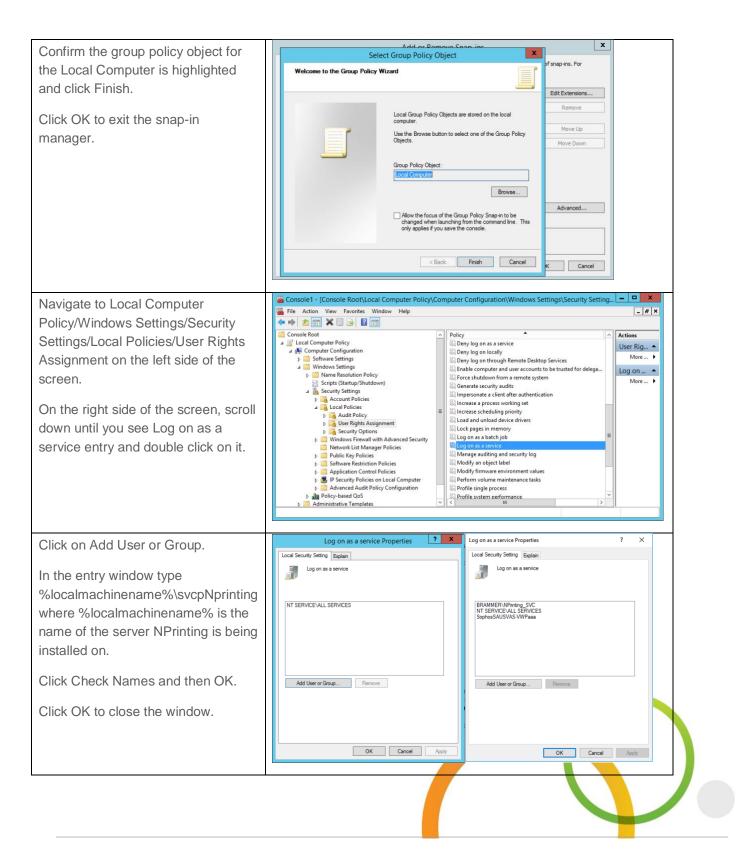
Before the installation starts, you need to make sure that the Service account is part of the Local Admin group of the servers

Please follow these instructions closely. NPrinting services require a specific order of install to work properly.

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The NPrinting Server installation must be installed before the NPrinting Engine and NPrinting Designer. NPrinting may not work if the installation is not performed in the following order:

- 1. NPrinting Server
- 2. NPrinting Engine
- 3. NPrinting Designer

Please install the software in the correct order.

Server Installation

NPrinting Server Installation 🕹 | 🖓 📙 🖛 | Downloads × Navigate to the location where Home Share View 0 File NPrinting installation files reside. ✓ ♂ Search Downloads Q Name Date modified Туре Size 📌 Quick access Double click on QlikNPrinting_Designer 2/15/2019 12:09 AM Application 116.362 KB E. Desktop . 2/15/2019 12:10 AM Application QlikNPrintingEngine_x64 184,652 KB Downloads QlikNPrintingServer_x64.exe. QlikNPrintingServer_x64 2/15/2019 12:11 AM Application 569,190 KB Documents Pictures This PC A Network 3 items User Ac ount Contro Splash screen Do you want to allow this app to make changes to your device? N Qlik NPrinting Server November 2018 Verified publisher: QlikTech Internationa File origin: Hard drive on this computer itional AB Show more details No Yes The Qlik NPrinting Server license **Qlik NPrinting Server November 2018** Qlik NPrinting Server November 2018 agreement appears. Select the check box to agree to the license and click QLIK® USER LICENSE AGREEMENT QLIK[®] USER LICENSE AGREEMENT the Install button. NO NOT DOWNLOAD OR USE THIS SOFTWAR AVE READ AND AGREED TO THE TERMS OF THIS A ARE UNTIL YOU (THE NT: DO NOT DOWNLOAD OR USE THIS SOFTW E") HAVE READ AND AGREED TO THE TERMS OF THIS A Setup progress window will appear. RESU W A ID RESULT IN A BINDING AN ICENSEE AND THE QUIK ENTITY THE LICENSE KEY ("QUIK"). IF D THE LIC ISE KEY ("QLIK"). IF I agree to the license terms and co I agree to the license terms and c Install Close Install Close



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Select the check box to agree to the license terms and click the Install button.	Microsoft Visual C++ 2013 Redistributable (x64) - 12
When the installation completes, click the Close button to exit the Microsoft C++ Redistributable installer.	MICROSOFT VISUAL C++ REDISTRIBUTABLE FOR VISUAL STUDIO 2013 These license terms are an agreement between Microsoft Corporation (or v head on whare you have one of its affiliates) and you Plases read them I agree to the license terms and conditions Install Close
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Enter the NPrinting service account (this is the Windows service account added in the create user section of the document) and password in the supplied fields. Make sure to enter the account in domain\userid format as in the image. Click the Test credentials button and verify the yellow warning sign changes to a green check box. If the green check box does not appear, the account does not have Logon as a service right. Please consult the NPrinting Service Account Setup section of this document. Click the Next button.	Olik NPrinting Server November 2018 Setup - × Service logon credentials Imministry Server November 2018 and runs as an independent Windows service. NPrinting Olik NPrinting Server November 2018 Multiple and runs as an independent Windows service. Imministry Server November 2018 fature Imministry Server November 2018 Setup Imministry Server November 2018 Setup Verify credentials Enter logon credentials Imministry Server November 2018 Setup Imministry Server November 2018 Setup Service logon credentials Imministry Server November 2018 Setup Imministry Server November 2018 Setup Imministry Server November 2018 Setup Glik NPrinting Server November 2018 Setup Imministry Server November 2018 Setup Imministry Server November 2018 Setup Imministry Server November 2018 Setup Glik NPrinting Server November 2018 Imstalla and runs as an independent Windows service. NPrinting NPrinting Glik NPrinting Server November 2018 Imstalla and runs as an independent Windows service. NPrinting NPrinting Glik Newscrifter Imministry Server November 2018 multiple and runs as an independent Windows service. NPrinting Maccountic Imministry Server November 2018 multiple and runs as an independent Windows service. NPrinting Maccountic Imministry Server November 2018 multiple and runs as an independent Windows	Cik NPinting Server November 2018 Setup
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NPrinting Engine Installation

The NPrinting Engine is installed after the NPrinting Server. If you haven't installed NPrinting Server, please go back to the NPrinting Server Installation section of this document before continuing.

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	Verified publisher: QlikTech International AB File origin: Hard drive on this computer
	Show more details
	Yes No
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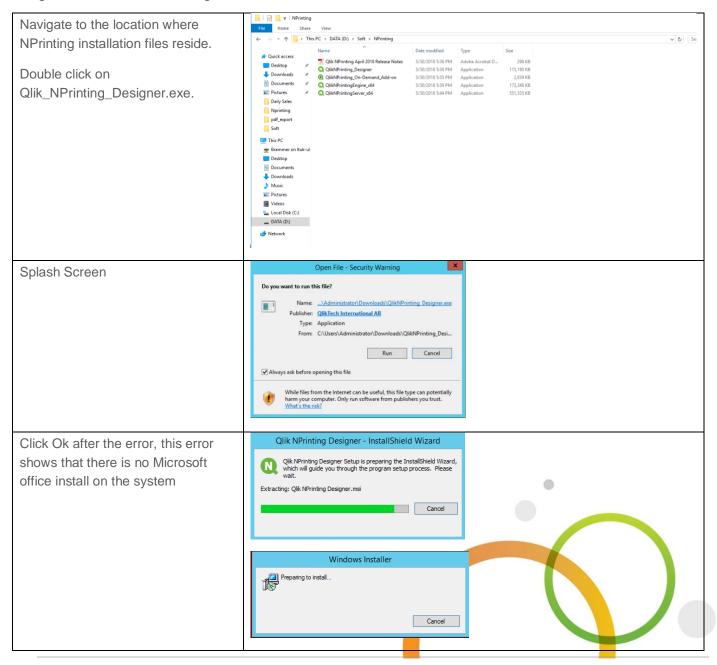


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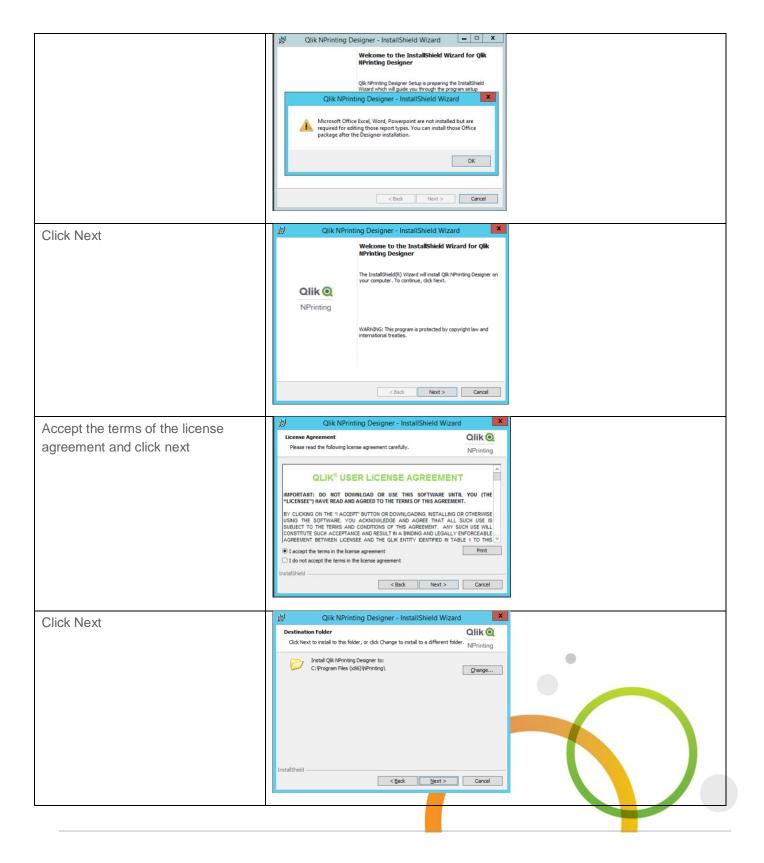


Install NPrinting Designer

NPrinting Designer is used to create NPrinting report templates. NPrinting Designer is installed typically on a desktop system for report development. However, it does not launch like a conventional desktop application. NPrinting Designer launches from NPrinting's web interface.









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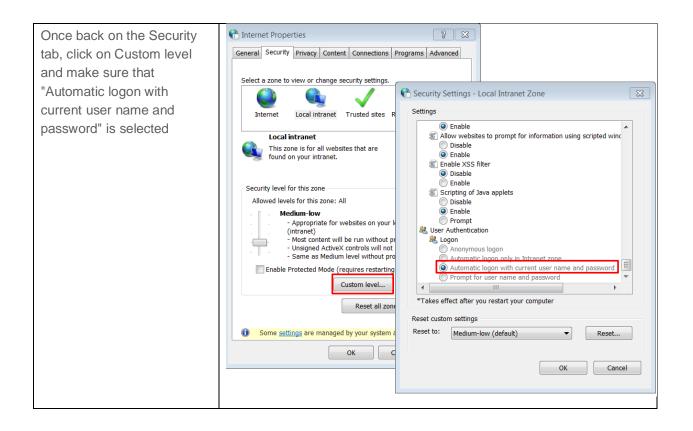


NPrinting Post Install Configuration

Configure Internet Options

Open Internet Options from	Thermet Properties
the Network and Sharing	General Security Privacy Content Connections Programs Advanced
Center in the Control Panel.	Select a zone to v <u>iew or change</u> security settings.
Click on the Security tab, then click Local Intranet and then click the Sites button.	Internet Image: Coord intranet Image: Coord intranet Local intranet Trusted sites Restricted sites Sites This zone is for all websites that are found on your intranet. Sites
	Security level for this zone Allowed levels for this zone: All - Medium-low - Appropriate for websites on your local network (Intranet) - Most content will be run without prompting you - Unsigned ActiveX controls will not be downloaded - Same as Medium level without prompts Enable Protected Mode (requires restarting Internet Explorer) Custom level Default level Reset all zones to default level () Some settings are managed by your system administrator. OK Cancel Apply
Then click Advanced and	Internet Properties
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Login for the First Time and Activate NPrinting

You use NPrinting Designer and view reports in the Newsstand in the browser.



Typically, yourservername will be "localhost".

Log into NPrinting 17 at the following url:	https://yourservername:4993	۲
Access the NewsStand at:	https://yourservername:4994	



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NPrinting	You must be logged in to access this part of the application.	
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installed.		
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account		
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NPrinting				
reports.				

Connecting to a QlikView app in Qlik NPrinting (example)

To connect to a QlikView app in Qlik NPrinting, you need to create an NPrinting app, specify the user who will create the connection, and define the QlikView as a destination in NPrinting.

Create an app in Qlik NPrinting

An NPrinting app is a collection of connections (QVWs/QVFs used for source data), filters, conditions, reports, and tasks.

You will need to create an NPrinting app before you can do anything else.

Click on Apps from the	Qlik Q NPrinting Apps Teports Tasks Admin Destinations	
Apps drop-down menu in the ribbon	Apps Connections View: Filters All apps Q	
	Name App description Demo app 10 25 50 100	
Click the Create app button	Apps View: Illapps Q Search Name App description t Enabled t Actions Demo app 10 25 10	



Give your app a name and	Qlik Q NPrinting	
description, if desired, and click Create.	Apps / New	
	Create app	
You are now able to create a connection to a QlikView document.	Name Demo app Description	
	C Enabled	
	Cancel]

Connections to Sense (examples)

Click on Connections from the Apps drop-down menu in the	Qlik Q [®] NPrinting			Apps 🔻	Repor	ts Tasks 🔻	Admin 🔻	Destination	S 🔻
ribbon	Apps View: All apps	•	Filt	Filters					
	Name App description								
	Demo aj	pp							
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Click the Create connection	Qlik (NPrinting							
button		Connection	IS						
		View:	App:			Filter:			
		All connections	•	All		▼ Q Searc	h	Create co	onnection
		Name ‡	Connect descripti	۵	App 🔺	Connection status	Cache status	Last cache update	Actions
		Sales Demo		Demo app	Ok	Generated	July 19, 2016 12:05 PM	0	
		Test App (Sense)			Demo app	Ok	Generated	July 19, 2016 12:25 PM	¢
					10	25 50 100		_	



Give the connection a name		NPrinting	Apps 🗸	Reports	Tasks 🔻	Admin 🗸	Destinations –			NprintingAdmin 👻
and description, if desired.										
and description, il desired.	Overview	Triggers								
In the app field, choose the	Create conn	ection								
Qlik NPrinting app with which		Name	Connection to	Connection to governance dashboard						
to associate the connection				goreinaitee aa						
from the drop-down menu.		Description								
Click the QlikView button as			D							
the source.		Арр	Demo app							
There has a loss of Trime		Source	QlikView Q	Qlîk Sense						
Then Local as a Type		Туре	Local Serve	rer Cluster						
And add the path of the		Document path	E:\QlikView\Us	serDocs\Admir	n\governanc	e dashboard 2.	0.2.qvw		×	
Document *.qvw			Connection	n requires auth	entication					
			! The connect	ted QlikView do	ocument mus	st not use secti	on access.			
			The cache will be Reports will be p							
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	Ve	rify connection	Run verificat	tion						
										Cancel Create
	_		_							
Run the verification make sure		App	Demo app							
that everything is ok and click		Source	QlikView Qlik	k Sense						
after on create		Туре	Local Server	Cluster						
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		× .	 The connection The QlikView 			valid.				
		~		s account used		ik NPrinting Er	gine is a local adminis	strator.		
			The specified Completed		pen the docu	ment.				
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										Cancel Create
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The connection will appear		
and the cache status will be	K01:4993/#/connections P • © Certificate error C Apps - Reports Tasks - Admin - Destinations -	Nprinting
pending	Qlik (i) NPrinting Apps v Reports Tasks v Admin v Destinations v Connections View: App: Filter: All connections All apps Q, Search	Create
	Name	te 🌣 A
	Connection QV Demo app Connection successful Generated July 13, 2017 2: on all NPrinting engines.	48 PM
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connection in the lower right-hand corner.	Connections View: App: All connections All apps Q. Search	nnection
This will take you back to the	Name \diamond App \star Connection status Cache status \diamond Last cache update \diamond Acti	ons
Connections page where the	Connection QV Demo app Connection successful Generated July 13, 2017 2:48 PM on all NPrinting engines.	0
cache status for your new connection will show as 'Generating'.		۵
This will automatically be updated when the cache is generated, or you can press F5 to refresh the page. Once the cache has been generated, you can author reports.	Qlik Q: NPrinting Apps v Reports Tasks v Admin v Destinations v NprintingAdmingA	
Cache generation may take	Name App Connection status Cache status Last cache update Action Action	15
several minutes and will	Connection QV Demo app Connection successful Generated July 13, 2017 2:48 PM at on all NPrinting engines.	¢.
depend on the size of the app and the number of objects in the app.	Connection to governance dashboard Demo app Connection success I Connection July 14, 2017 9:04 AM and an all NPrinting engines.	¢
When it is complete it will change the status from generating to generated		



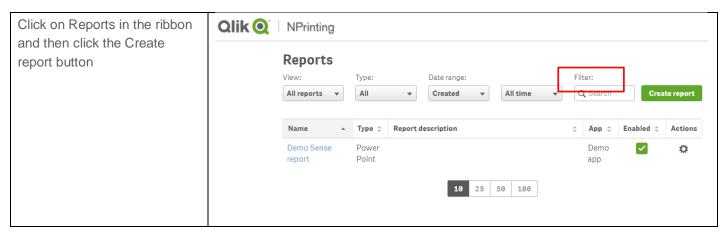
Authoring and previewing reports

Report content

Qlik Sense objects which are/are not supported

- Reports can include
 - o Charts
 - o Tables
 - o Formulas
 - o Variables
- Reports do **not** include:
 - o Sheets
 - o Extension objects
 - o Stories

Create a report







	-		_							
Give your report a name and	Qlik 🝳	NPrinting	Apps ⊤	Reports	Tasks 🔻	Admin 👻	Destinations $ au$			NprintingAdmin 👻
description, if desired. Choose	Reports / New									
the format type and the Qlik	Overview	Filters								
NPrinting app with which the report will be associated.	Create repor	t								
report will be associated.		Title	test to govern	ance dashboa	ard					
Then select from empty file,		Description								
default template or custom file.										
Then click the Create button in										
the lower right-hand corner.		Туре	PixelPerfect							
		App	Demo app							
		Template	Empty file							
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										Cancel Create
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	Reports / test to go									
template to include things like logos and design,		overnance dashbo			lly.					zdīt template 🔲 🕤
this can be done from the	test to gov	Filters	uasiido	aru					E	dit template 🔲 👘
Admin section in the ribbon \rightarrow	Overview	Filters								
Settings \rightarrow Report settings.	Report									
		Title	test to govern	ance dashboa	ard					
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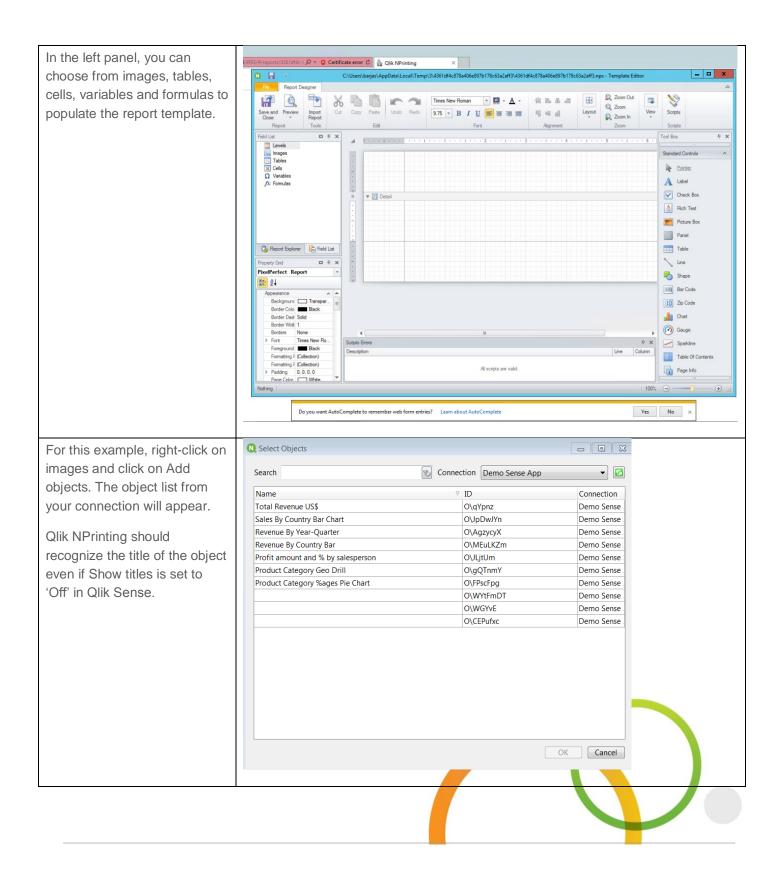


Once the report is created, click on the Edit template button to launch Qlik NPrinting Designer. You will be prompted to enter credentials if this is your first time running the Designer.	Descrip	Iashboard Jashboard' was cre Ince dashbo itie test to gove tion PixelPerfect App Demo app Enabled Enable C	nance dashbor	ard S API report ge	Admin	Destinations -			min - X
A Pop-up windows will appear to allow Nprinting designer to run	Descrip	iashboard iashboard' was cre ince dashbo itle test to gover ion pype PixelPerfect pp Demo app S Enabled Enable C	nance dashbe	Report generation	you want to all r computer? gram: Qik NPint 4993&ter 4993&ter ways ask before wing web content ntially harm your o source of the cont	Destinations - emet Explorer ow this website to ope ing Designer col=https:Rhost=ucloade ing Designer col=https:Rhost=ucloade opening this type of addre Co not allow it ur emet. What she mak?	rpqlk01&port A DM2MWRmN V ss	NprintingAdm Edit template I Cancel	×

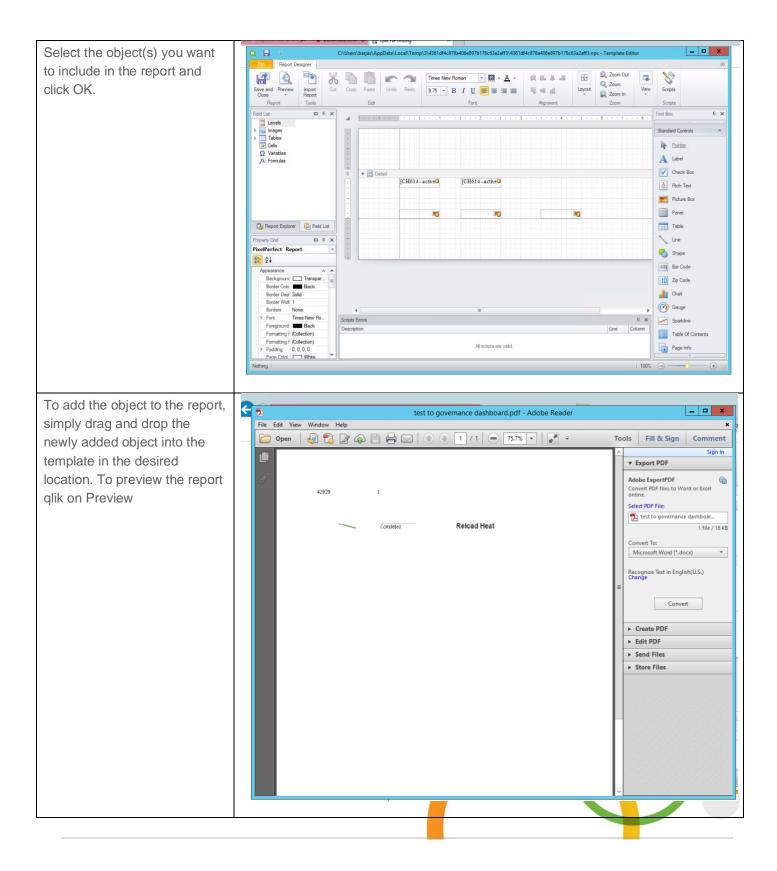


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	Report 'test to governance dash	board' was creat	ted successfully.				×
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	Overview Filters						
	Report						
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It will ask to enter user details		Apps 🗸	Reports Tas	ks – Admin	 Destinations + 		NprintingAdmin 👻
	Reports / test to governance dash	board					
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		Enable dyr	namic naming				
							Cancel Save











Report Distribution

To distribute reports, you need to create a Publish Task in Qlik NPrinting.

Click on Publish task from the Tasks drop-down menu in the	Qlik Q NPrinting Apps - Reports Tasks - Admin - Destinations -
ribbon.	Reports View: Type: All reports All Created All time
	Name Type Report description Demo Sense Report PowerPoint 10 25 50
Then click the Create task button.	Olik O NPrinting Apps - Reports Tasks - Admin - Destinations - NprintingAdmin - Publish tasks / New
Give the publish task a name and description, if desired. Choose the Qlik NPrinting app with which to associate the publish task.	Overview Reports Users/groups Filters Destinations Email message Triggers Conditions
	Name Test to governance dishboard X Description
	App Demolapp
	Days to keep 1
	Reports to keep 1
	Cancel Create





It is possible to set both the	Olik O NPrinting Apps - Reports Tasks - Admin - Destinations - Nprintin	ıgAdmin 👻							
number of days and the	Publish tasks / Test to governance dashboard								
number of instances of a	Task Test to governance dashboard' was created successfully.								
report to keep in the	Test to governance dashboard								
Newsstand and Hub "history"	Overview Reports Users/groups Filters Destinations Email message Triggers Conditions								
from an NPrinting publish task.	Publish task								
All reports in a Task will saved									
All reports in a Task will saved	Name Test to governance dashboard								
for the same period of time	Description								
and the specified number of									
instances									
	App Demo app								
	Days to keep 1								
	Reports to keep 1								
	Enabled								
	Cancel	Save							
Next you will need to add a	Qlik Q NPrinting Apps - Reports Tasks - Admin - Destinations -								
report(s) to the publish task.	Publish tasks / Test to governance dashboard / Reports								
Click on the Reports button	Reports								
and then click the Add report									
button.	Overview Reports Users/groups Filters Destinations Email message Triggers Conditions								
	Title A Report \$\$ Report type \$\$ Output format \$\$ Has conditions	Enabled							
	10 25 50 100								

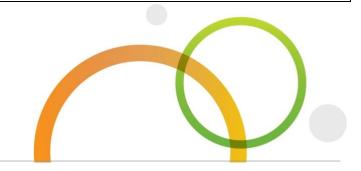




On the subasquant corean	Qlik O NPrinting Apps - Reports Tasks - Admin - Destinations -	NprintingAdmin 👻
On the subsequent screen,	Olik O NPrinting Apps v Reports Tasks v Admin v Destinations v Publish tasks / test for governance dashboard / Reports / New New Vertice of the second vertic	······································
select the report you want to	Overview Reports Users/groups Filters Destinations Email message Triggers Conditions	
add from the Choose report	Construction Construction Constructions Constructions Constructions	
drop-down menu and edit the	Add report	
friendly name, if desired.	Choose report test to governance dashboard	
The friendly name is	Friendly name test to governance dashboard	
Tip! how reports will be	Report type: PixelPerfect	
displayed in the	Output format	
Newsstand. Any dynamic	Attach to email	
naming applied to the report	Enabled	
will appear in the downloaded	Conditions	
version of the report or to any	conditions	
reports sent via e-mail or	Add condition	
saved to disk.		Cancel Add report
Saveu lu uisk.		
Select the desired output		
format.		
The output formats		
Tip! available to you will		
depend on the		
template type you are using.		
Fan averale a Davia Daint		
For example, a PowerPoint		
template can be rendered as		
PPTX or PDF, while an Excel		
template can be rendered as		
XLSX, XLS, PDF, HTML or		
TIFF.		
Finally, click the Add report		
button in the lower right-hand		
-		
corner.		
Next, select the user(s) to	Olik O NPrinting Apps - Reports Tasks - Admin - Destinations -	NprintingAdmin 👻
receive the reports in the	Publish tasks / Test to governance dashboard / Users/groups / New	
publish task.	Overview Reports Users/groups Filters Destinations Email message Triggers Conditions	
Click on Users/groups and	Add recipient	
then the Add user or group	Choose recipient NprintingAdmin -	
button.	Called Enabled	
	VewsStand destination	
	Email destination	
	c	ancel Add recipient



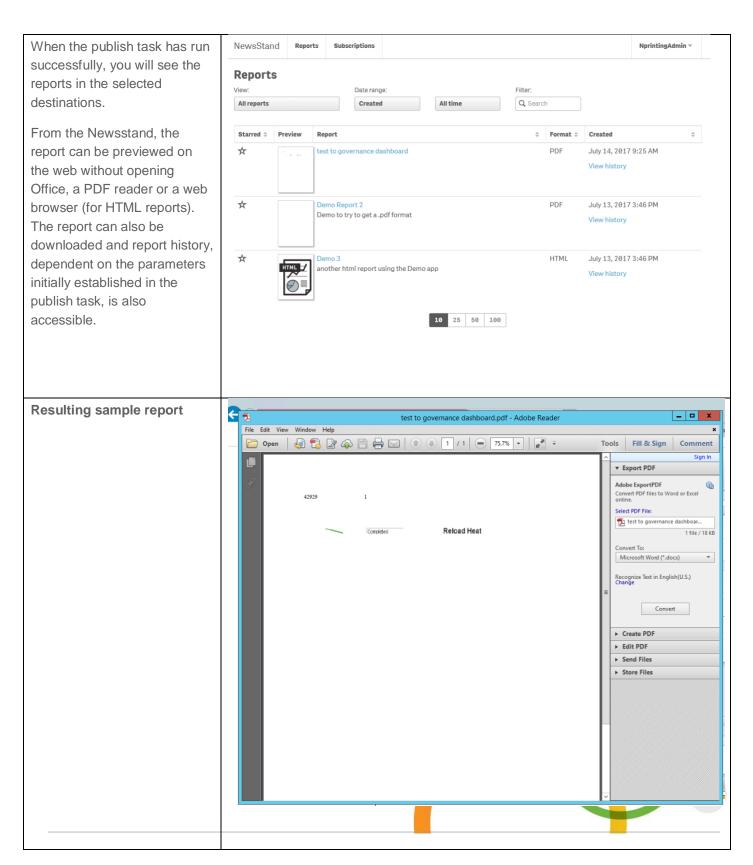
Select the user or group from the Choose recipient drop- down menu and then click the Add recipient button in the lower right-hand corner.	Qlik Qi NPrinting Apps v Reports Tasks v Admin v Destinations v NprintingAdmin v Publish tasks / Test to governance dashboard / Users/groups Filters Destinations Triggers Conditions Overview Reports Users/groups Filters Destinations Email message Triggers Conditions Add recipient
Select a destination(s) for report delivery. The default options available are Newsstand, E-mail and Hub. If you want to include a folder(s), this will have to be configured in the Destinations section prior to creating the publish task.	Olik O NPrinting Apps * Reports Tasks * Admin * Destinations * Publish tasks / test for governance dashboard / Destinations Destinations Overview Reports Users/groups Filters Destinations Email message Triggers Conditions Recipients NewsStand Email Publish for all Email for all NprintlingAdmin Image: Condition all image: Condit image: Condition all image: Condition all image: Con
Create a trigger (schedule) for task execution. Click on Triggers and then click the Create trigger button.	Olic Of State NPrinting Publish tasks / Demo Publish Task / Triggers Triggers Overview Reports Users/groups Triggers Conditions Enabled Actions 10 25 50





Give the trigger a name and	
description, if desired. The	Publish tasks / Demo Publish Task / Triggers / new
schedule types currently	New Trigger
available are one-shot, daily	Overview Reports Users/groups Filters Destinations E-mail message
and weekly.	Triggers Conditions
Monthly and yearly schedules are on the	Create trigger for task Demo Publish Task Enabled Disabled
development path	Name New Trigger
but no release date is	Description
available at this time.	
For recurring triggers, pick	
from the associated	Schedule
parameters as well as start	Schedule type One-shot Daily Weekly
date, time zone and end	Time 15:43
parameters. Once all	
information has been entered, click the Create button in the	Start
lower right-hand corner.	Start date 20/07/2016
lower fight hand corner.	Time zone US/Eastern 👻
	Cancel
You can also manually run the	Qlik O NPrinting Apps Reports Tasks Admin Destinations NprintingAdmin Reports
task by clicking the Run now	Publish tasks / test for governance dashboard
button which can be found in	The task with Id'a975784-149a-4425-9e4d-5abc1638bc97' was successfully scheduled for execution.
the publish task Overview section.	test for governance dashboard Overview Reports Users/groups Filters Destinations Email message Triggers Conditions
A message showing that the	Publish task
task was successfully scheduled for execution will	Name test for governance dashboard
	Description
appear.	
	App Demo app
	Days to keep 1
	Reports to keep 1
	Enabled
	Cancel Save







Additional Steps or Information

Repository

During the installation of the Server, the repository is asking for a password, we use the same password than the service account.

Additional Links

NPrinting videos

http://help.qlik.com/en-US/nprinting/17.0/Content/Videos/Intro-Videos.htm

http://help.qlik.com/en-US/nprinting/17.1/Content/Videos/Intro-Videos.htm

