



QlikView Enterprise Solutions

Title

Version: 0.3
Date: 22/12/2010
Author(s) MBG

"A best practice is a technique or methodology that, through experience and research, has proven to reliably lead to a desired result."

%1Contents

Contents	2
Configuration	3
Overview	3
Service Account	3
Multiple service accounts and/or multiple servers	3
Security permissions	3
QlikView Server/Publisher services and ports	4
URL reservation for .NET	4
URL Reservations	5
Windows 2008 script	5
QlikView Distribution Service and COM object	6

QlikView Distribution Service and COM object

%1 Configuration

Overview

These settings are for QlikView Server version 10 in a Windows 2003/2008 environment. QlikView Server is installed in default catalogues. The QlikView Server and Publisher service users always need to have read and write access to the QVW and QVD files.

Service Account

Create a service account on the Active Directory domain or on your local computer. Remember that only an AD user will be able to read and set domain permissions in QlikView.

Multiple service accounts and/or multiple servers

It is possible to create different service accounts for each service. The permissions needed are tagged in the column *Service id* to the right.

The services can be spread out on different servers. Only the security settings for installed service need to be applied on each server, again see the *Service id* column to the right.

Security permissions

First check so that the service accounts have at least *read access* to the QlikView program folders.

The **service accounts** needs also the following permissions on the server:

<i>Local policy access rights:</i>	<i>Member of local Groups:</i>	<i>Folder read and write access:</i>	<i>Registry read and write access:</i>	<i>Service id</i>
Log on as a service	Users	%PROGRAMDATA%\QlikTech	HKLM\Software\QlikTech	All ←
	QlikView Administrators	%WINDIR%\Temp		All ←
	Cryptographic Operators	%PROGRAMDATA%\Microsoft\Crypto\RSA\MachineKeys		QVS ←
		C: or D: or E: (Not subfolders) Depending on where the QVS root folder is located		QVS ←
		QVS Root folder, mounted folders and log folder		QVS ←
		%windir %\system32\config\systemprofile\AppData\Local\QlikTech	HKLM\Software\Microsoft\Windows NT\Current Version\Perflib	QDS ←
Log on as a Batch job				IIS ←

QlikView Server/Publisher services and ports

The created service users need to run the services below.

Services:	Description:	Port:	Service
QlikView Server	Client server engine	4747	QVS
QlikView Management service	Backend service .Net application	4780	QMS
QlikView Management service	Backend service .Net application	4799	QMS
QlikView Distribution Service	Event scheduler. Optional .Net application	4720	QDS
QlikView Directory Service Connector	Directory connector Optional .Net application	4730	DSC
QlikView Web Service	Web Server Optional .Net application	4750	QVWS

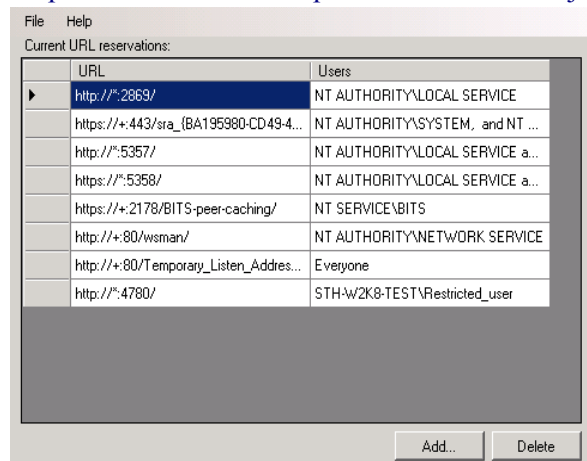
If services are placed on different servers, the security rights have to be applied on all of them.

URL reservation for .NET

You need to create URL reservations for the service user in .NET on the servers running the QlikView Net applications.

Use the *UrlAclModifier.exe* tool for this, found at:

<http://urlreservation.codeplex.com/Release/ProjectReleases.aspx?ReleaseId=6646>



URL Reservations

Add the following reservations for the service account (Domain\Service account)

URL:	Description:	Service id
http://*:4780/	Management service, management port	QMS
http://+:4799/QMS/MEX/	Management service, QMS API	QMS
http://+:4799/QMS/Service/	Management service, QMS API	QMS
http://+:4799/QMS/	Management service, QMS API	QMS
http://*:4720/	Distribution Service, management port	QDS
http://*:4730/	Directory service connector, management port	DSC
Only reserve the URLs below when using QlikView Web Server		
http://*:4750/	QVWS management port	QVWS
http://+:80/qlikview/	QlikView Web service	QVWS
http://+:80/qvdesktop/	QlikView Web service	QVWS
http://+:80/qvclients/	QlikView Web service	QVWS
http://+:80/qvplugin/	QlikView Web service	QVWS
http://+:80/qvajaxzfc/	QlikView Web service	QVWS
http://+:80/scripts/	QlikView Web service	QVWS
https://+:443/scripts/	QlikView Web service	QVWS

HTTPS users need to register https:// instead.

Windows 2008 script

It's also possible in Windows 2008 to create a URL reservation script:

```
set varUser=Domain\ServiceAccount
set varProtocol=http
```

```
REM -webservice
netsh http add urlacl url=https://+:443/scripts/ user=%varUser%
netsh http add urlacl url=%varProtocol%://+:80/scripts/ user=%varUser%
netsh http add urlacl url=%varProtocol%://+:4750/ user=%varUser%
netsh http add urlacl url=%varProtocol%://+:80/qvajaxzfc/ user=%varUser%
netsh http add urlacl url=%varProtocol%://+:80/qlikview/ user=%varUser%
netsh http add urlacl url=%varProtocol%://+:80/qvplugin/ user=%varUser%
netsh http add urlacl url=%varProtocol%://+:80/qvdesktop/ user=%varUser%
netsh http add urlacl url=%varProtocol%://+:80/qvclients/ user=%varUser%
```

```
REM -Distribution Service
netsh http add urlacl url=%varProtocol%://*:4720/ user=%varUser%
```

```
REM -Directory service connector
netsh http add urlacl url=%varProtocol%://*:4730/ user=%varUser%
```

```
REM -webservice Admin
netsh http add urlacl url=%varProtocol%://*:4750/ user=%varUser%
```

```
REM -Management Service
netsh http add urlacl url=%varProtocol%://*:4780/ user=%varUser%
```

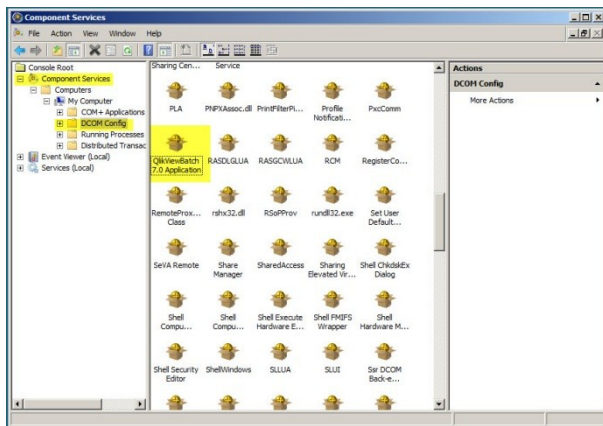
```
REM -Management Service API
netsh http add urlacl url=%varProtocol%://+:4799/QMS/Service/ user=%varUser%
netsh http add urlacl url=%varProtocol%://+:4799/QMS/MEX/ user=%varUser%
netsh http add urlacl url=%varProtocol%://+:4799/QMS/ user=%varUser%
```

QlikView Distribution Service and COM object

You need to manually configuring the permissions on the com object for the QlikViewBatch 7.0 Application.

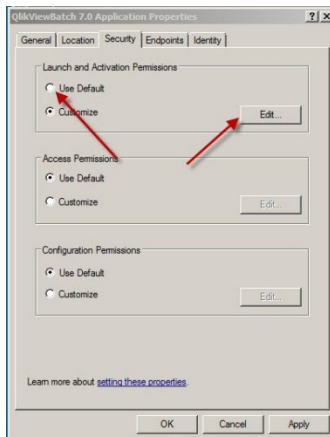
Click on Start and Run, then type *DCOMCNFG.EXE*

Expand Console Root => Component Services => Computers => My Computer => DCOM Config



Add the account that need launch permissions, in this case your service user.

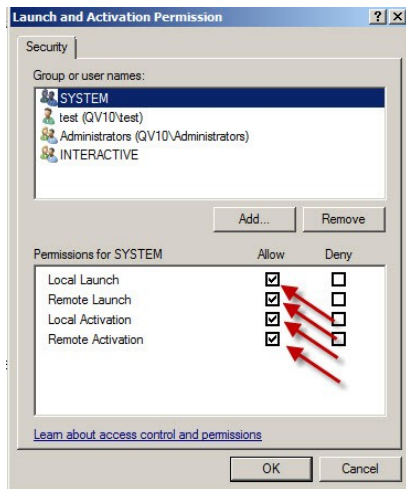
Check permissions for "Local Launch", "Remote Launch", "Local Activation", "Remote Activation"



Save.

The same actions must also be done for Access Permissions and Configuration Permissions.





Installation note: If you did not select “to specify account later” after you completed the above steps the Distribution Service will not start. You will need to change the service Logon account to an Admin user long enough to start it. You then can Change it back

