

How to setup a QDS Cluster with QV v10?

Assumption:

Installation is done on Windows Server 2008 R2 machines

Prerequisites

Following requirements have to be met before starting the QDS cluster configuration:

- A QV Publisher Server license allowing QVS clustering
That means that the Publisher LEF must consist of an entry “**NUMBER_OF_XS;X**”; where **X** is 2 or higher
- Accesspoint (based on IIS or QWS), Management Service, QVS, QDC are already installed on QV system in the network
- A domain user to run the QV services on every machine is available
- A shared device like NAS, SAN, Network-Share etc.
All QDC cluster nodes need read /write access to the following data centrally stored:
 - Publisher status, configuration and log files
 - QlikView Source Documents

Step-by-Step Installation

1. Prepare the shared device

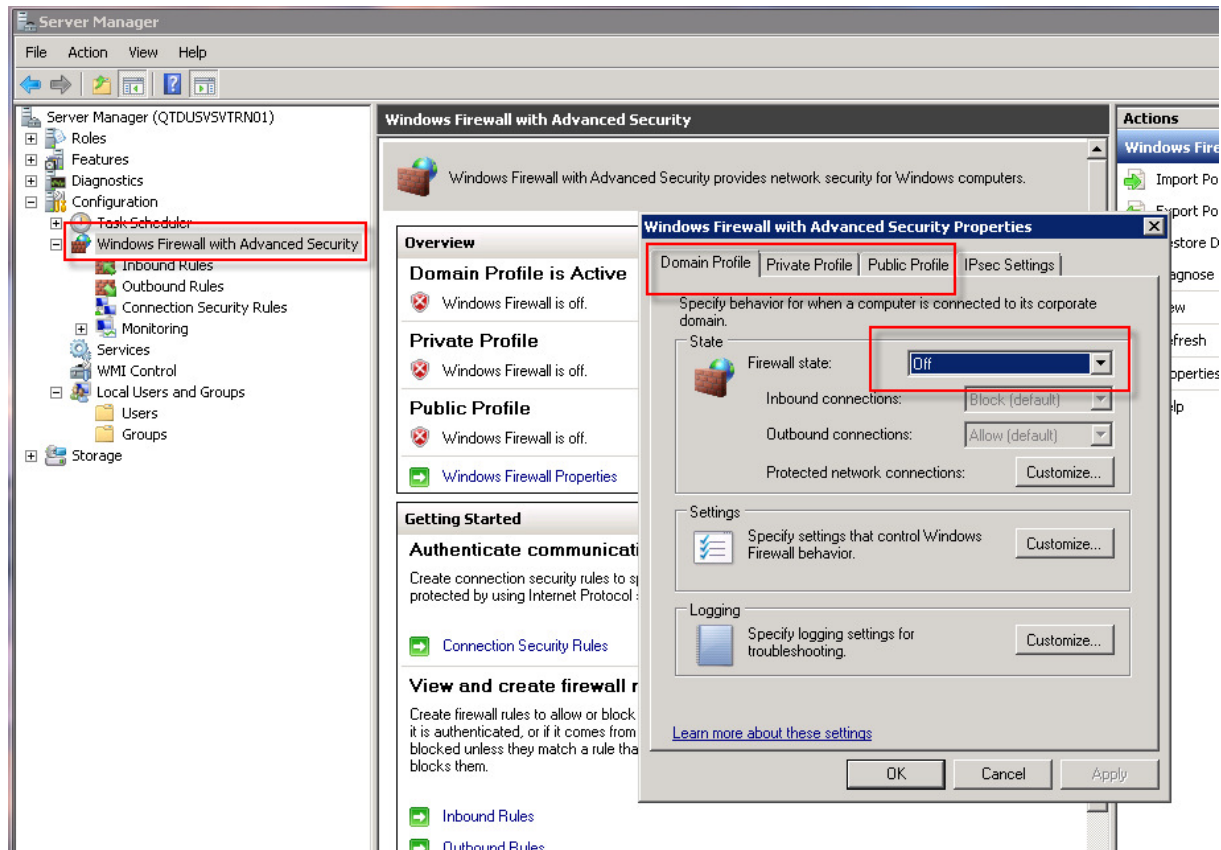
Create folders for the files accessed by every QDS cluster node; e.g.:

- *QDsSettings* for the Application Folder
- *QVStorage\Private* for the Source Document Folder

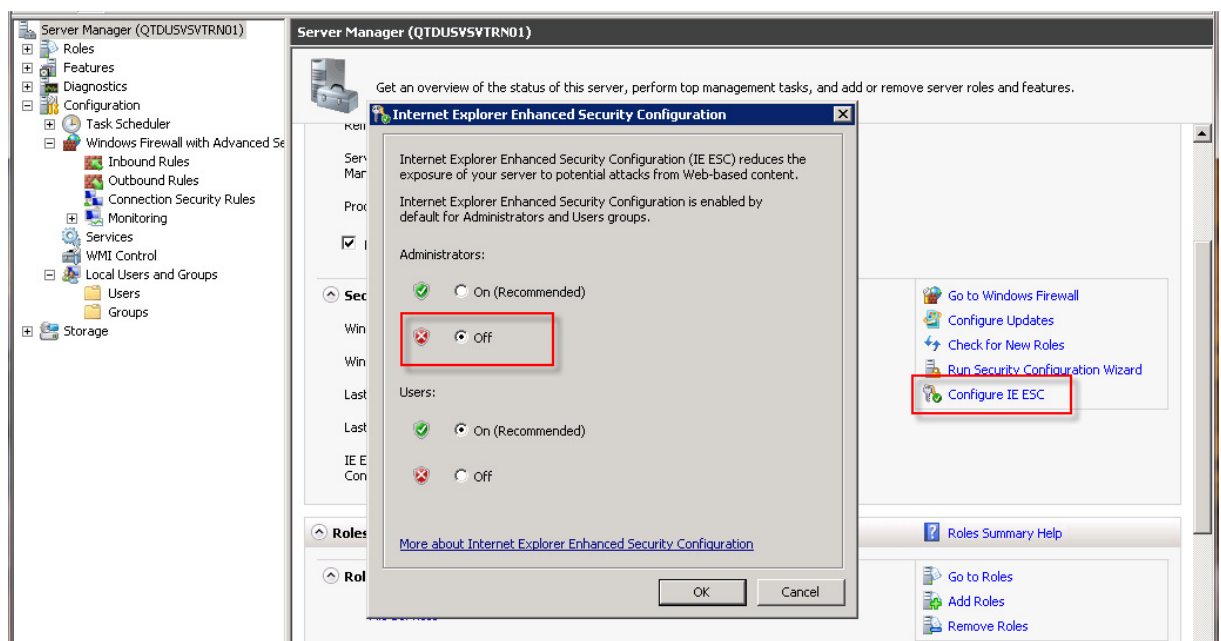
2. Prepare the cluster nodes

On each planned QDS cluster node perform the following configuration

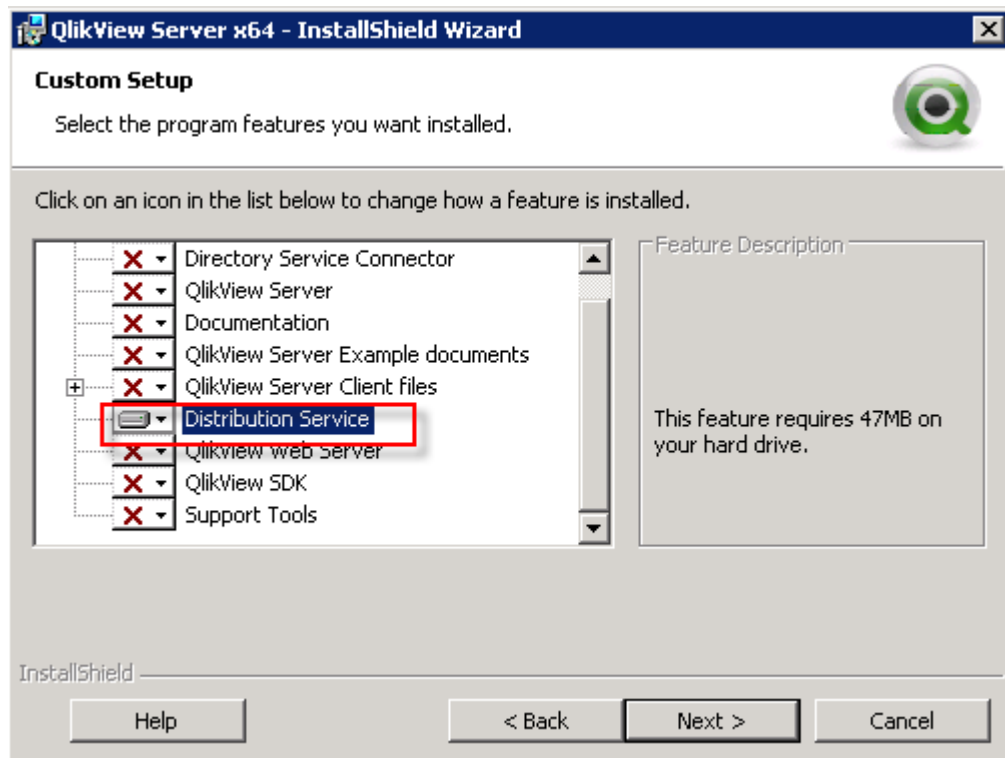
- Login as Administrator
- Turn Off Windows Firewall



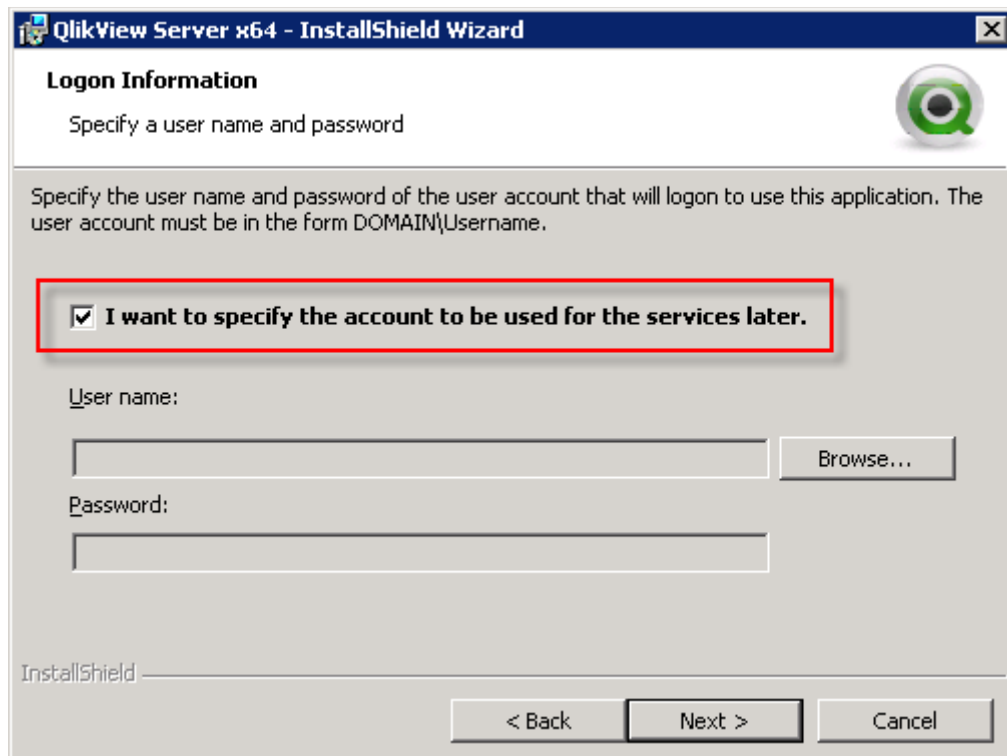
- Deactivate Internet Explorer Enhanced Security Configuration for Administrators



- Add Domain User the QV services should use to Local Administrators Group
- Start QV x64 server setup and install feature “Distribution Service” only



- During the setup check that you will specify the QV service account later (QV RC2 bug)

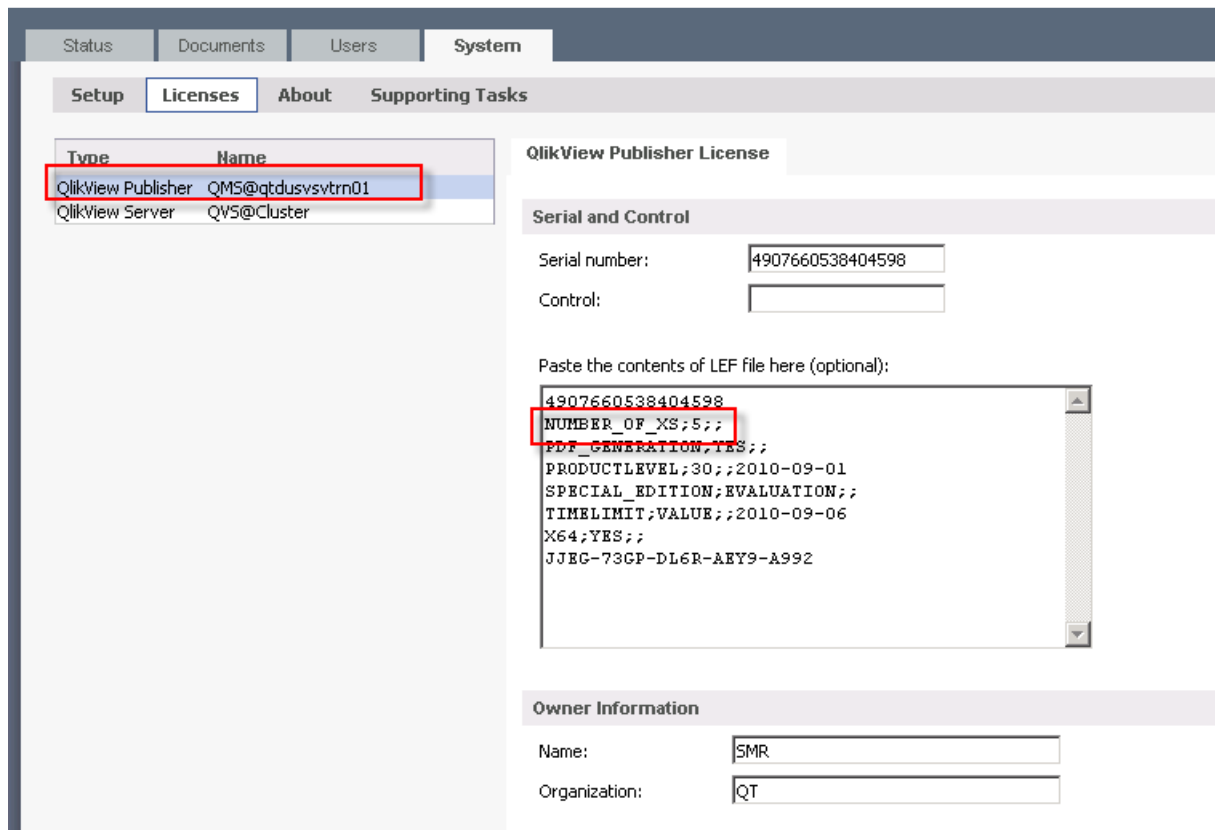


- Do not restart the system immediately after install is completed, but
 - Add QV service user to “QlikView Administrator Group”
 - Change Logon setting of the QV Server Service to the QV Service user

- “Now” restart the system

3. Configure QDS-Cluster in QEMC

- Open QEMC and register QV Publisher license with activated cluster nodes



The screenshot shows the 'System' tab in QEMC, specifically the 'Licenses' sub-tab. On the left, a table lists the license types and names:

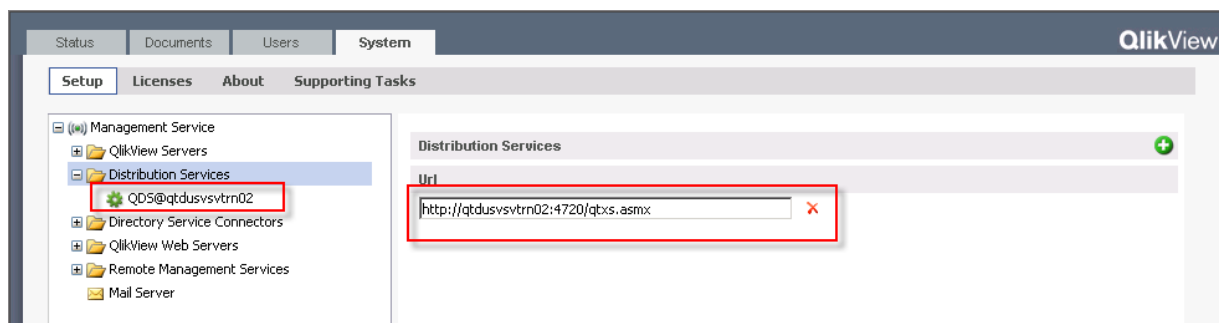
Type	Name
QlikView Publisher	QMS@qtdusvstrn01
QlikView Server	QVS@Cluster

The 'QlikView Publisher License' section on the right contains the following fields:

- Serial number:** 4907660538404598
- Control:** (empty field)
- Paste the contents of LEF file here (optional):**

```
4907660538404598
NUMBER_OF_XS;5;;
PDT_GENERATION;YES;;
PRODUCTLEVEL;30;;2010-09-01
SPECIAL_EDITION;EVALUATION;;
TIMELIMIT;VALUE;;2010-09-06
X64;YES;;
JJEG-73GP-DL6R-AEY9-A992
```
- Owner Information:**
 - Name:** SMR
 - Organization:** QT

- Add first QDS cluster node below Distribution Services



The screenshot shows the 'System' tab in QEMC, specifically the 'Distribution Services' sub-tab. On the left, a tree view shows the hierarchy: Management Service > QlikView Servers > Distribution Services. The 'QDS@qtdusvstrn02' node is highlighted under 'Distribution Services'.

The 'Distribution Services' section on the right contains the following fields:

- Url:** http://qtdusvstrn02:4720/qtxs.asmx

- Switch Application Data Folder & Source Folders to Shared Device folder paths using UNC-syntax

The screenshot shows the QlikView Setup window, General tab, for the service QDS@qtdusvsvtrn02. The left sidebar shows the hierarchy: Management Service > QlikView Servers > Distribution Services > QDS@qtdusvsvtrn02. The main panel has tabs: Summary, General (selected), Alert E-mail, E-mail Templates, Advanced, and Login. The General tab contains the following fields:

- Location:** (empty)
- Url:** http://qtdusvsvtrn02:4720/qbxs.aspx
- Directory Services:** Directory Service Connector: DSC@qtdusvsvtrn02
- Application Data Folder:** \\qtdusvsvdom02\nas\NA56\QDsSettings (highlighted with a red box)
- Logging Level:** No logging, Normal logging (selected), Debug logging
- Source Folders:**
 - ☐ Disable Task Triggers For Document Administrators
 - \\qtdusvsvdom02\nas\NA56\QTStorage\Private (highlighted with a red box)

- Press Apply and restart QDS service manually
- Add each additional QDS cluster node in URL format

The screenshot shows the QlikView Setup window, General tab, for the service QDS@qtdusvsvtrn02. The left sidebar is the same as the previous screenshot. The main panel shows the General tab with the following fields:

- Location:** (empty)
- Url:**
 - http://qtdusvsvtrn02:4720/qbxs.aspx
 - http://qtdusvsvusr07:4720/qbxs.aspx (highlighted with a red box)
- Directory Services:** Directory Service Connector: DSC@qtdusvsvtrn02
- Application Data Folder:** (empty)

- Press Apply and restart QDS service on all nodes manually
- Verify all QDS nodes are running

The screenshot shows the QlikView Services - QVS Statistics tab. The left sidebar shows the hierarchy: Management Service > QlikView Servers > Distribution Services > QVS@Cluster. The main panel shows the QVS Statistics tab with the following table:

Service Name	Running On	Status
DSC@qtdusvsvtrn02	qtdusvsvtrn02	Running
QDS@qtdusvsvtrn02	qtdusvsvtrn02	Running
QVS@Cluster	qtdusvsvtrn02	Running
QVWS@qtdusvsvtrn01	qtdusvsvtrn01	Running

Below the table, a messages box states: "All services in the cluster are running without any reported problems." The messages box also lists the status of the QDS nodes:

- qtdusvsvtrn02: Running
- qtdusvsvusr07: Running