Description

1 Using QlikView and IIS together

Like most web servers, IIS and the QlikView web server use port 80 (http) to communicate (by default). Often two services wanting to communicate on the same port cannot be used at the same time, however with QlikView this is not the case.

If both the QlikView view web server and IIS are installed then port 80 is shared by the two services and a process occurs where QlikView registers all of the addresses for the content it wants to serve. Any requests from a user browsing to content registered by QlikView will be directed to QlikView's web server and all other traffic will be handled by IIS as normal

Although not recommended this allows a single server to be shared between QlikView and other web based content.

It can be confusing to system administrators when both are present as QlikView's content does not display in IIS and there is not visual clue that QlikView is actually handling the content. If there is no reason to have IIS install then remove it from the server.

Port sharing is NOT available in Windows XP and port 80 cannot be shared between QlikView and none IIS web servers such as Apache.

2 Choosing between IIS and QV Web Server

Both QlikView Web Server and IIS will deliver the same result in terms of QlikView functionality and here is no performance difference between the two. Typically it is external factors to QlikView that are the reason to choose IIS. These reasons may include the following:

- Often QlikView is an extra service that systems administrators have to look after and may not be QlikView experts. IIS is often a more familiar component
- Some customer may mandate the use of IIS
- You want detailed logging of web activity or performance
- While QlikView server logs sessions, QlikView Web Server does not log details on the hits on all of the pages and components, IIS can do this. This information can be used to monitor usage and errors
- IIS includes a range of performance counters that can be used to monitor the performance of the web server
- You want to integrate with an IIS based SSO system or have more fine grained control over security of web content
- QlikView web server includes a range of security options to support typical out of the box functionality. IIS supports these also but allows the use of common SSO ISAPI modules to integrate into SSO systems as well as other options for securing content.
- The server is already hosting some content through IIS or you want to use mash-ups
- The QlikView webserver cannot host .net content, if you want to host .net content alongside QlikView or use the QlikView workbench then IIS must be used to host this
- SSL configuration is more straightforward, IIS has wizard driven SSL set up process

There are a few further points to consider before choosing to use IIS:

- QlikView web server is a fully supported QlikView product
- The QlikView web server is designed to work with QlikView and is fully supported, IIS may have localised configuration that may affect the way QlikView works through it.
- QlikView web server is installed and ready to use out of the box

- IIS requires a number of configuration steps post install, these are not covered by the install wizard
- QlikView web server is a cut down version of IIS, so the performance is the same

Both web server options can utilize the load balancing features through QlikView AccessPoint. Typically using the QlikView Web Server is sufficient and using IIS is only really required when one of the reasons indicated above is apparent.

Prerequisites for IIS 7

Many of the features required for using QlikView through it are not on the default install. The following features must be available.

- ASP
- ASP.Net
- Windows Authentication
- Basic Authentication

Installing Qlikview with IIS Support

To support use of IIS one of the non standard features in the QlikView Server installer must be selected. There are two ways to go about this.
- Select "WebServer" in the initial installation dialogue and add IIS. If you wish to use QlikView Tunnelling, ensure this option is selected also.
- Select the "Config" button in the bottom of the installation dialogue and select the QlikView WebServer service with IIS support (with our without tunnelling) from there.

The installer can be run on an existing server installation to add the IIS support feature if required.

For Qlikview 10: The feature "QVWebServer" must remain installed as the required files to be hosted in IIS are installed by this feature. The QVWebServer service will be installed but this will be disabled later.

Complete the server install as normal including rebooting and applying the server license. It is recommended to view the Access Point (http://localhost/qlikview) before completing the IIS configuration to ensure the server installation has been successful and no issues are present. At this point the QV web Server will be serving the content.

Before commencing with the configuration of IIS ensure the QlikView Web Service is stopped and disabled. Do this through the windows services control panel in Administrative Tools as below. This will ensure all of the web addresses for QlikView (eg /qlikview, /qvajaxzfc) are now handled by IIS.

For Qlikview 11: The QlikView WebServer is not installed ontop of IIS. A new service has been introduced "Qlikview Settings Service", which is being installed instead.
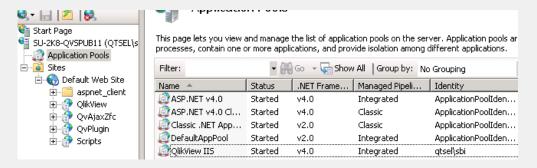
QlikView Directory Service Connector	Keeps trac...	Started	Automatic
QlikView Distribution Service	The servic...	Starting	Automatic
QlikView Management Service	Hosts the ...	Started	Automatic
QlikView Server	Hosts the ...	Started	Automatic
QlikView Settings Service	Keeps the ...	Started	Automatic
Remote Access Auto Connection Manager	Creates a		Manual

What to check:

Open the IIS management console and expand the default web site, you will now see all of the QlikView virtual directories listed.

An IIS application pool will be responsible for connecting to QlikView for a user to retrieve the user's document list for display in the Access Point. By default an application pool will run as the "Network Service" account which always has minimal rights on the system, to connect to QlikView however it will need to run under the identity of a user that is a QlikView Administrator. So either the application pool can run as a new user or the Network Service account can be made a QlikView Administrator. It assumed by this document that a new user will be used. This process is however invisible to the end user.

When installing QlikView with IIS Support, the user running the applications pool will be automatically used for this application pool. No manual changes have to be made.

Ensure that the QvAjaxZfc site has Windows Authentication enabled.

Attachment 1

Attachment 2

Attachment 3