**Using HTTP server Vs XDBC Server in MarkLogic:**

You use an HTTP server to execute XQuery code that is stored in modules,

either in a database or on the filesystem (depending on configuration).

The HTTP server executes the code when the path to the module is

accessed via a browser over standard HTTP. This is analogous to accessing a web page over a standard HTTP server or to accessing a jsp page over a Java App Server.

The XDBC server is used to run XCC programs and execute those against MarkLogic Server. It does use HTTP to transmit its messages to the server, but does so using a

different wire protocol than standard HTTP.

XCC/XDBC uses a variant of HTTP for its transport protocol. But the format of the

information transferred is very different. An HTTP request returns the simple string "Hello World". An XCC request wraps the string with other information that is parsed by the XCC client to form a result sequence. So we can say XCC is wrapper over HTTP.

XCC also implements a type system for representing XQuery values in Java or C#.

Both MarkLogic Server and the XCC client libraries (Java and .Net) understand XDBC.

For example, consider the following XQuery program: "Hello World"

If you put this in a file named test.xqy under an HTTP app server root

with the following settings:

**root:** c:\myroot

**port**: 8888

**modules:** file system

Therefore, you would put that file in:

**c:\myroot\test.xqy**

Then if you hit <http://localhost:8888/test.xqy> with a browser, you

would

see the results of your query (The string: Hello World).

In order to execute this same thing if the above setup were an XDBC

server, you would have to write a Java or .Net program that invoked

the test.xqy module.

As far as putting https in front of either an XDBC or HTTP server, you

can do that using some other proxy server (like apache) or by some

other means