# tcVISION

JN Data

What's next?

11/25/10

# 1 General

The next steps can be a test at customers site. With this test (POC) the capability of tcVISION to handle the customers needs should be proved.

The criteria for the POC can be defined as *setup a successful, repeatable, automated replication process with documented results from DB2 z/OS to a corresponding MS-SQL system on a Windows Server.*

# 2 Environment

| | |
|---|---|
| tcVISION S390 Manager: | z/OS V1R9 or beyond |
| tcVISION Source Databases: | DB/2 V8 or V9 |
| | |
| tcVISION Server Manager: | Platform: Windows |
| tcVISION Target Database : | MS-SQL Server 2005 or 2008 (R2) |
| tcVISION Controlboard: | runs on Windows XP, Vista or 7 |

# 3 General words to connectivity

These words are necessary since our experience shows that setting up a system with such complex connection attempts will be difficult at many sites through outsourcing, firewalls, and so on. All tcVISION components must be able to connect to each other. Connections must be possible:

- From z/OS manager *and scripts* to the windows server.
- From windows server manager *and scripts* to the mainframe.
- From Windows Control Board to the windows server tcVISION is running on and to the mainframe (the tcVISION Control Board does not need to run on the same machine the manager does).

To ensure the connectivity at least *five* ports within a specified range must be available. The number of ports to reserve depends on the number of parallel tasks desired to run in tcVISION.

Please refer to the connection plan handed out separately.

# 4 Mainframe issues

## 4.1 tcVISION S390 Manager in z/OS

The tcVISION S390 manager will extract the source data from DB2. Afterwards it will transfer the changed data to the server. The source data will be captured through the **IFI_306** exit.

## 4.2 tcVISION S390 Manager installation requirements

The tcVISION S390 Manager z/OS needs its own region with at least 20MB of memory.

The tcVISION modules, job samples and macros need a LOAD-, MAC- and INSTLIB. For maintainance a VSAM RRDS file will be created.

All jobs are available from a INSTLIB. The installation uploads three PC-files, they are received (TSO RECEIVE) to libraries.

The tcVISION manager needs access to all needed resources on the mainframe. This includes DB2 catalog tables and access to DB2 exits. There are two plans to bind for an DB2 UDB.

The tcVISION LOADLIB has to be APF authorized.

More detailled installation instructions can be found in the manual '*tcV4HostInstallation_en.pdf*'.

# 5 Windows Server issues

We suggest a Windows Server 2003 or 2008. For a production environment it should *not be* a virtual machine. The Windows installation requires about 25 MB of disk space. Depending on the way of transfer (with saving LUWs at server side or not) additional space is required. This space can reside on a SAN or NAS, if the server is mirrored.

# 6 tcVISION Control Board

The tcVISION Control Board will be used to monitor, adminster and control the different tcVISION manager and replication processes. Its presence is *not needed* for the process of replication.

The tcVISION Control Board is to be installed on a windows machine running at least Windows 2000. There must be a connectivity to all tcVISION managers running. For the installation a directory with free space of 25MB is required. All writing operations will be placed in the users directory.

# 7 Staff

For the POC we recommend that the following people are available:

- z/OS System administrator
- Server administrator (Windows)
- DB-administrator DB/2 (z/OS)
- DB-administrator MSSQL
- MS-Windows System administrator
- Network administrator
- z/OS Security administrator