tcVISION

Software AG for CVN

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1 Installation environment

tcVISION Mainframe Agent:	z/OS
tcVISION Source database:	DB2 z/OS
tcVISION Open System Agent:	Linux / UNIX
tcVISION Target databases:	Terracotta , Oracle
tcVISION Dashboard:	MS Windows 7/8 or Server

2 TCP/IP

It is important that all tcVISION components can communicate over TCP/IP. A firewall must be configured to allow this communication between all components.

2.1 tcVISION Agent

All tcVISION Agent systems must be able to communicate in both directions via TCP/IP. At least 5 selectable TCP/IP ports are required (for example: 4120-4124). The number of required ports depends upon the number of possible parallel tcVISION processes. For your installation we recommend 5 free ports.

2.2 tcVISION Dashboard

The tcVISION Dashboard is used to monitor, administer and control the different tcVISION Agant (Mainframe and Linux / UNIX). An unrestricted TCP/IP connection using one port is required to enable the communication between the Dashboard and the tcVISION Agent systems (example: 4120).

3 tcVISION Dashboard

The tcVISION Dashboard must be installed on a MS Windows machine starting with Windows 7. The Dashboard can run parallel with a tcVISION Agent on the same machine. A TCP/IP connection must be available to all tcVISION Agents (Mainframe and open Systems). A directory of approximately 20MB is required with different sub directories. Read and write access is required.

4 tcVISION Agent

4.1 tcVISION Mainframe Agent

The tcVISION Mainframe Agent uses different methods to capture the changes from the mainframe DBMS DB2 and replicates them to the corresponding agent on the Open System Platform Linux / UNIX for Oracle and Terracotta. Depending upon the installation requirements the tcVISION Mainframe Agent may also be used to apply changes captured on an Open System platform to mainframe targets

4.1.1 tcVISION Mainframe Agent Installation requirements

The tcVISION Mainframe Agent requires a region of its own with approx. 20MB of storage.

The tcVISION modules, Job examples and macros require a LOAD-, MAC- and INSTLIB. A VSAM/RRDS file is required for the tcVISION internal maintenance.

All required jobs are part of the installation library. The installation is performed from a PC file that is transferred to the host and is executed as a job.

It is important to notice that the tcVISION Mainframe Agent has unrestricted access to all resources that should be processed (i.e. VSAM files, DB2).

The tcVISION LOADLIB must be APF authorized.

A detailed description of the installation can be found in manual "tcVISION - Host Installation and Administration" that is part of the distribution.

For capturing of near real-time changes tcVISION uses the DB2 "IFI_306" interface. For every table to be captured, the DB2 DATA CAPTURE Flag must be activated.

4.2 tcVISION Open System Agent

The tcVISION Open System Agent processes the data captured on the mainframe and applies them to the target database Oracle and Terracotta. Depending upon the installation requirements it can also capture changes from DB2 LUW, MS SQL Server, ORACLE and ADABAS LUW.

4.2.1 tcVISION Agent Linux / UNIX

The standardized installation procedure installs this component on the Linux / UNIX system. A directory with sub directories of approximately 20 MB is required. Unrestricted Read and Write access is required. The tcVISION Agent must be able to access the Oracle database and the Terracotta System.

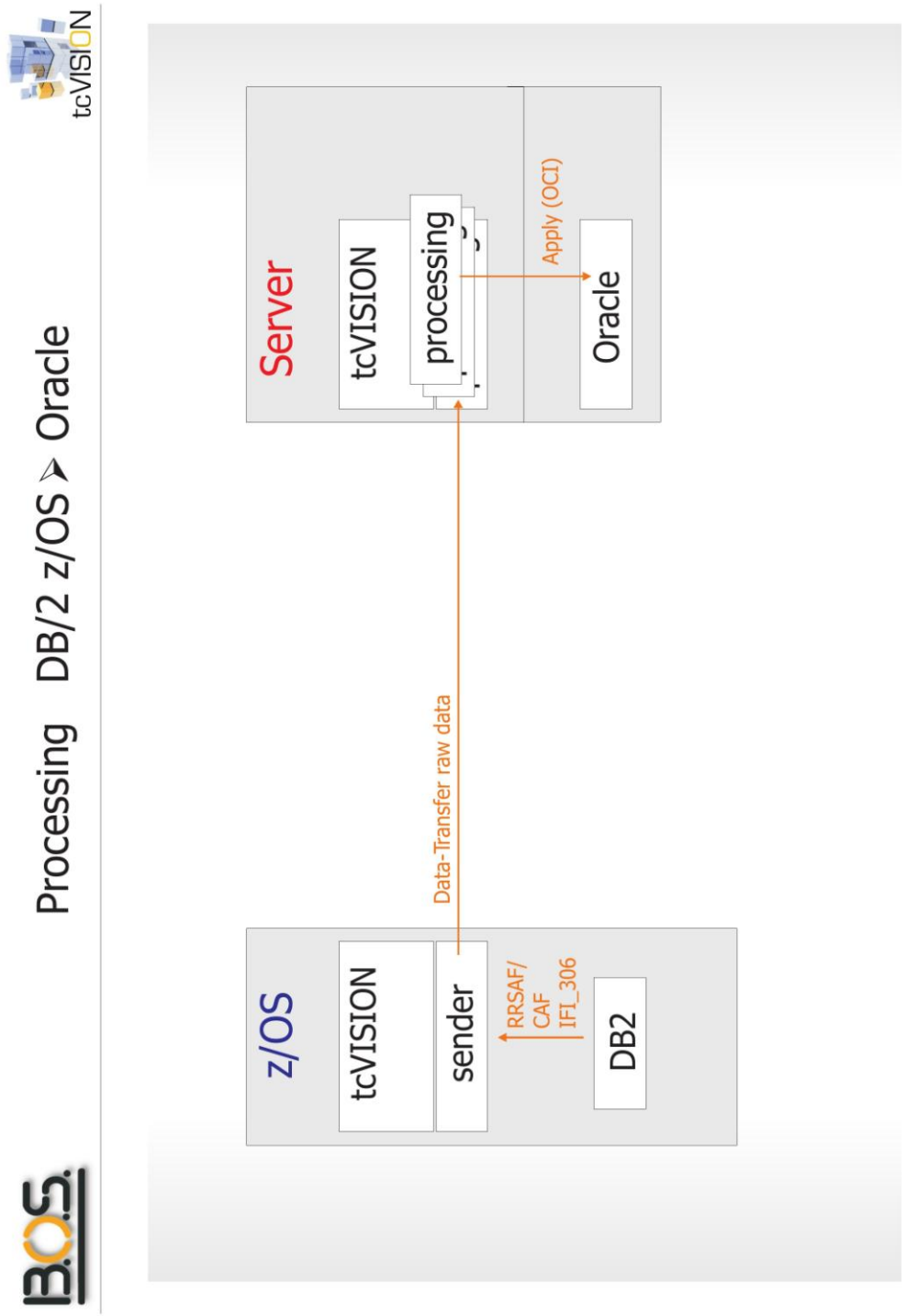
For the delivery to Terracotta tcVISION writes the data to an UM channel. The REALM and CHANNEL is to be named within the process of tcVISION. UM can be installed remotely. The protocol for the delivery is the "tcVISIONCanonical" format (Google Protocol Buffers).

5 Co Worker

For the tcVISION installation we recommend that the following people are available. Physical presence may not be necessary but they should be contactable in case questions arise:

- Mainframe System Administrator
- UNIX / Linux System Administrator
- DB-Administrator Mainframe for DB2
- DB-Administrator Open System for Oracle
- Administrator for Terracotta
- MS-Windows System Administrator
- Network Administrator
- Mainframe Security Administrator
- Open System Security Administrator

6 tcVISION connection and installation overview



Processing DB/2 z/OS ➢ Oracle