



Case Study

Industry: Print media
Operating System: OS/390
Dataorganisation: ADABAS

The customer operates an IBM mainframe running the OS/390 operating system. The production data is stored in ADABAS*-databases. NATURAL* is being used as the standard programming language. COMPLETE* is the TP-monitor.

Contact to B.O.S. was established at the end of 1999. The customer was looking for solutions to access the ADABAS database from WINDOWS- and Web-applications. The originating ultimate goal was to provide an intelligent and real-time data access to the worldwide customers.

Early in 2000 tcACCESS was installed. The installation didn't cause any problems. At the day of the installation SQL based accesses to the ADABAS databases had already been performed.

Various tests were done. The overall performance of tcACCESS and in particular the SQL-access to ADABAS was found to be more than satisfactory.

In the meantime a series of applications have been developed, that are tcACCESS based.

MS-ACCESS-applications use the tcACCESS ODBC-component to access ADABAS. VBA-programs are being used. These applications connect to tcACCESS on the mainframe using a 3270-emulation. The programs are being used by end-user departments, which are doing researches. The customer can provide a graphical user-interface to the end-user and can guarantee at the same time, that the end-user always accesses the production data in real-time.

Another area of use for tcACCESS are Web-applications.

The core application is a catalog application, which uses tcACCESS to incorporate configuration characteristics and construction states in the current display of the information. The application uses browser technology. The access to the mainframe is based upon the JDBC-component of tcACCESS. The application uses servlets and runs on a LINUX-machine. The Web-server is connected to the Websphere Application-Server from IBM.

Another strategic application is also a browser application. The entire logic resides on the Web-server. tcACCESS is being used to allow SQL-based access to ADABAS databases. Again, the JDBC-component of tcACCESS performs the connection with the mainframe. tcACCESS is the perfect tool to easily and efficiently access complex ADABAS databases using SQL-syntax. Practical usage of tcACCESS has proven that the product is very easy to use because it supports standards like ODBC and JDBC. No special mainframe knowledge is required.

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