Abstract

A technique is described for supplying a data warehouse whilst ensuring a consistent data view. The system comprises an interface for receiving data elements which are assigned to individual transactions and require processing before delivery into the data warehouse. Also provided is a process control component for analyzing the data elements with regard to the respective assignment to particular processing operations and for controlling the distribution of the data elements to associated processing branches. At least one first buffer storage is disposed downstream from the process control component, for the temporary storage of the distributed data elements, time-control information being assigned to each stored data element. The processing of the data elements read-out from the at least one buffer storage is effected in two or more parallel processing branches, a processing of the data elements that is non-dependent on the time control information being effected in a first mode, and a prioritising processing of particular data elements that is based on the time control information being provided in a second mode. A transfer component, which transfers the processed data elements to the data warehouse, is disposed downstream from the processing branches.

(Figure 3)