Abstract

Data that is obtained from various information sources needs excessively handling for managing, analyzing and monitoring. Data warehouse consolidates data coming from different data sources. Data warehousing technology has made a huge effect in the world of business; it transforms information into data that helps analysts to make strategic decisions. A real-time data warehouse is used same purpose as data warehouse, in addition to these, data streams into real time data warehouse on time. In this paper, propose a real-time framework to support the up-to-date process. Our framework is based on using a Business Activity Monitoring (BAM) that provides a real-time business intelligence by capturing data as it flows through a business system. Using service-oriented architecture (SOA) and Windows Communication Foundation (WCF) to capture a real-time data and load easily. By using BAM, it can monitor a business process in real time.

Index Terms

Computer Science

Control Systems
Keywords

Real-time data warehouse (RTDW), Change Data Capture (CDC), Business Activity Monitoring (BAM), Windows Communication Foundation (WCF).