Abstract

Nowdays, the using of *Data Warehouse* in company *database* management has been critical needed. *Data Warehouse*as decision support sistem that is saparated from transactional *database* need a really clean data, ready to use, continue and *update*d with as fast as possible *delay* which is called *Real-TimeData Warehouse*.

Changed Data *Capture* (CDC) has an ability to solve strategic problem that appear then, that is how data can be *update*d with minimal *delay* and *capture* accurate change without influence the data in operational enviroment (*Refreshment*). It relation with how the sistem can *capture* change an *process*it in *staging database* without influence operational *database*.

Although Data Manipulation Language (DML) is a core operation that must be managed, but schema change, in this case Data Definition Language (DDL), are very possible to happen. Also the massive input transactions per second (throughput). They make *refreshmentprocess* sometime work so slow. For that reason, this final project will analyze which CDC methode that is suitabel for those condition. Analysis are conclude from performance comparation of 2 methode Asynchronous Log-based CDC taht is Asynchronous Autolog Archive CDC dan Asynchronous Autolog Online CDC

Keywords: Real-Tme *Data Warehouse*, Change Data *Capture* (CDC), Asynchronous Autolog Archive, dan Asynchronous Autolog Online.