Abstract

The objective of this study is to design a process schema that will support the continuous reporting management activities on PT. XYZ Indonesia through facilitating a high availability system in the web-based host application service (or backend servers). The web based application is used by PT. XYZ Indonesia as the tool to assist in the company decision support activity.

The method used for the analysis and design in this study is based on the concept, design, and implementation of high availability and business process recovery developed by Klaus Schmidt. The approach is to develop an architecture which leads to a high available system that is robust and is able to recover or resume from relevant failure scenarios by providing a redundant system. Through redundant system, the high availability will be maintained.

As the result is the business process recovery plan that analyze how the business needs of PT. XYZ Indonesia can be achieved by the propose architectural design.

From the analysis and conceptual architecture design performed in this study can be concluded that the appliance of high availability is potential and it would be a useful consideration for business needs in PT. XYZ Indonesia that ultimately require availability and continuity in their operation.

Keywords Robust, Redundant, Server, High Availability, Disk Configuration, Cluster, Failover, Mirroring