

ABSTRACT

The necessity for integrated information technology with the company's business will generate information that is in need in the process of making decisions, which will affect the development of the company. But with the usage of information technology, then the company faced with a variety of potential interference system. This will cause business delays and loss of data resulting in losses to the company. In the end continuity of business processes, requirements, and security of data storage into consideration the major factors in the development of the company in high availability

In the final project to build cluster system using DRBD is applied to the server in order to build system high availability, DRBD will tasked to synchronize data between server

From result of measurement is obtained maximal downtime for mail server is 4.125 seconds while the FTP server is 3.1 seconds. Value availability for mail server availability is 99,995%. For the performance of the master server and slave servers have almost the same.

Key word : high availability, synchronize, server, downtime, cluster