ABSTRACT

DESIGN AND IMPLEMENTATION OF CLOUD STORAGE SYSTEM WITH OWNCLoud FOR PT. MQUEST REDDOT TEKNOLOGI

Kiky Kurniawan
1631025

This practical work aims to overcome sharing and security of data problem occurs in PT. MQuest Reddot Teknologi such as in this company sharing the data between headquarter at Singapore and branch in Batam since 2016. Previously PT. MQuest Reddot Teknologi data exchange using e-mail where there is percentage of data not fully-delivered and in this company the data stored on local without a backup and with this fact, company experience difficulty in data sharing and securing data from hardware corrupt or file corrupt. Cloud Storage is one of cloud computing technology where cloud storage provide a service for data management and backup wherein internet access needed for the data management. Therefore writer do the design and implementation cloud storage at PT. MQquest Reddot Teknologi for a solution that occurs in company where in this research using NDLC (Network Development Life Cycle) methodology involve analysis, design, simulation, implementation, monitoring, and management step. The result of this research is a cloud storage system capable of data sharing with user authorization access so that only the employee with an authorization access can access the data thus data was secured. Benefits obtained from cloud storage system implementation are simplify and improve efficiency and effectiveness for company in data sharing and management.

Keywords: cloud computing, cloud storage, data sharing, NDLC, authorization.