

Abstract

Increasingly rapid development of technology, allows creating a system which can facilitate human in doing something, one of which is cloud computing. With cloud computing we will enter a new era in the world of computing, because everything that we are currently working on the desktop can be done in the cloud. In general, cloud computing may imply the use of a computer service which has been provided by the network and use a pc without having to specify a server or a specific system. With these advantages we can access cloud cloud anytime and anywhere without his hardware bound. In addition we need a reliable internet connection too. Because of cloud computing keys is on the internet.

Therefore we need an optimization technique that can access the cloud to be optimum. There are several techniques but optimiasi based replacement algorithm that will be used in this thesis only the Least Recently Used (LRU) and Greedy-Dual Size Frequency (GDSF). With these two algorithms are expected to produce a cloud network optimization for optimum removal of cache will be drawn to the timing and size of the object that has been in access.

Keyword : cloud computing, cache, LRU and GDSF