

Abstract

Android smartphones are now widely used in the world because its advantage of being open-source which enables its user to develop a mobile based application. The development of mobile database also follows simultaneously with the development of mobile application. Various mobile application requires connection to the server, but this action demands a high-cost. To reduce connections to server, therefore mobile database can be used as the solution. However, the capacity which provided by the mobile database is not as big as the server database capacity. To resolve this issue, the cache exchange mechanism are implemented to keep some of the data on the mobile database. one of the cache exchange method is Least Unified Value (LUV). With the LUV method, part of the data which oftenly accessed will be saved into the mobile database so that a continous connections to the server are not required.

Keywords : *Mobile Database , cache replacement, LUV*